



AMRAN

INSTRUMENT TRANSFORMERS

OEM Reference Guide



Engineering Excellence Through Expertise

www.amranit.com



Amran Instrument Transformers is a leading manufacturer of Low Voltage and Medium Voltage Instrument Transformers (Current and Voltage Transformers), having multiple manufacturing plants in USA and India, selling its products to over 50 countries around the world. Amran's product portfolio includes standard products as well as numerous custom products specifically designed and developed for OEM specific equipment.

PRODUCT RANGE

- Low Voltage CTs (600V, 720V)
- Low Voltage VTs (600V, 720V)
- Medium Voltage CTs (Upto 34.5kV)
- Medium Voltage VTs (Upto 34.5KV)
- Rogowski Coils

PRODUCT STANDARDS / SPECIFICATIONS

- IEEE/ANSI C57.13 (North America)
- Other International Standards
 - IEC (61869-1, -2, etc.)
 - Canada (CAN/CSA)
 - Australia (AS)
 - United Kingdom (BS)
- Customer Specific standard & requirement

PRODUCT APPROVALS / CERTIFICATIONS

- UL 
- cUL 
- CSA 
- CE 
- Industry Canada (IC Approval)
- ROHs
- REACH

CERTIFICATIONS and PROCESSES

- Minority Business Enterprise (MBE)
- ISO 9001 (Quality)
- ISO 14001 (Environment)
- OHSAS 18001 (Health & Safety)
- PPAP, FMEA, Control Plans, Flow-Chart, etc.

- Many of Amran's standard products in this pocket guide are to show the dimensional and electrical specifications. Further information such as drawings, excitation curves, custom options etc. are available. For such requests, please call us or email us on **sales@amranit.com**
- Most up-to-date version of this Pocket guide is available on Amran's website **www.amranit.com/pocketguide**
- Most up-to-date versions of the product datasheets are available on Amran's website **www.amranit.com/datasheets**
- Product specifications and dimensions provided in this book are for reference only. While choosing the products, consideration should be given to the field conditions, installation, altitude, temperature etc. factors. Contact us for any questions.

For additional information about Amran, Inc. and product portfolio/gallery, go to page 208.

Low Voltage Current Transformers (Low Voltage Switchgear and General Purpose)					
Primary Current Range	Window Size (inches)	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
10 to 100	0.61	CT212	9A		6
50 to 300	1.0	CT211	2D, 2DRL, 2DARL		6
50 to 300	1.13	CT201	AL(2RL)		8
50 to 300	1.14	CT225	2SFT		8
75 to 800	1.22	CT222			10
50 to 1000	1.22	CT223			10
50 to 1000	1.22	CT224			12
50 to 400	1.25	CT229	16SFT		12
50 to 1000	1.25	CT230	21		14
50 to 1200	1.55	CT226	5SFT		16
50 to 1200	1.56	CT202	5RL		16
100 to 500	1.63	CT231	22		18
100 to 600	2.00	CT232	23		20
100 to 1500	2.05	CT227	6SFT		22
100 to 1500	2.06	CT203	6RL		22
50 to 1200	2.06	CT304	BL, BT, BF		24
50 to 1200	2.08	CT300	56 (RB, RT, RL)		24
50 to 1200	2.08	CT301	56RBT		26
50 to 1200	2.08	CT302	56RBL		26
50 to 1500	2.25	CT206	7RL		28
100 to 1600	2.5	CT204	7RL		28
50 to 600	2.5	CT213	200		30
50 to 2000	2.5	CT220	180SHT		32
100 to 1600	2.5	CT233	24		34
100 to 1600	2.5	CT235	7SHT		36
200 to 2000	3.0	CT303	76RBL		36
200 to 2000	3.13	CT234	25		38
200 to 4000	3.25	CT205	8RL		40
200 to 4000	3.25	CT255	8SHT		42
50 to 800	3.5	CT214	201		44
300 to 4000	3.5	CT207			46
Up to 4000	4	CT236	100	SCN	48
200 to 4000	4.25	CT209	170RL		50
200 to 4000	4.25	CT221	170SHT, 19SHT	SCE	52
100 to 1000	4.50	CT217	204		54
100 to 1000	4.88	CT215	202		56
200 to 5000	5.25	CT216	203, 203MR		58
50 to 5000	5.75	CT237	135, 135MR	SCO	60
600 to 4000	6.31	CT238	125, 125MR	SCM	62
Split Core Current Transformers					
Primary Current Range	Window Size (inches)	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
100 to 400	0.84 x 2.16	CT160	613		64
100 to 400	0.90 x 2.16	CT150			64
200 to 300	1.26 x 1.42	CT170			66

200 to 1200	1.60 x 3.42	CT161			66
200 to 1200	1.65 x 3.42	CT151			68
600 to 3000	2.36 x 5.70	CT152			68
600 to 3000	2.40 x 5.71	CT162	600		70
200 to 1200	2.44 x 2.89	CT171			70
3 Phase Current Transformers					
Primary Current Range	Window Size (inches)	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
50 to 100	1.25	CT460			72
50 to 1000	1.97	CT453			74
150 to 1000	2.00	CT461	3P41		76
300 to 1000	2.50	CT462	3P42		78
Medium Voltage Switchgear Current Transformers					
Primary Current Range	Window Size (inches)	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
50 to 4000	5.08	CT108			80
1200 to 3000 (multi-ratio)	5.08	CT109MR			82
600 to 4000 (multi-ratio)	5.9	CT105MR			84
50 to 4000	6.5	CT101	780	SCV	86
50 to 4000	6.5	CT101I (IEC)	780I		88
600 to 4000 (multi-ratio)	6.5	CT102MR	781	SCV	90
50 to 4000	6.5	CT103	785	SCV-D	92
50 to 4000	6.5	CT103I (IEC)	785I		94
600 to 4000 (multi-ratio)	6.5	CT104MR	786	SCV-D	96
50 to 5000	7.02	CT111	680	SCR	98
600 to 4000 (multi-ratio)	7.02	CT111MR	681	SCR	100
50 to 5000	7.02	CT112	685	SCR-D	102
600 to 4000 (multi-ratio)	7.02	CT112 (MR)	686	SCR-D	104
50 to 4000	7.25	CT340	882	SCP-2	106
600 to 4000 (multi-ratio)	7.25	CT340MR			108
50 to 6000	7.31	CT354	142	SCP-2	110
600 to 4000 (multi-ratio)	7.31	CT354MR	142MR		112
50 to 6000	7.31	CT355	143	SCD-2, BYZ-S	114
600 TO 4000 (multi-ratio)	7.31	CT355MR	143MR		116
50 to 6000	8.13	CT352	140	SCP-3	118
600 TO 4000 (multi-ratio)	8.13	CT352MR	140MR		120
50 to 6000	8.13	CT353	141	SCD-3	122
600 to 4000 (multi-ratio)	8.13	CT353MR	141MR		124

Rectangular Current Transformers					
Primary Current Range	Window Size (inches)	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
1000 to 1250	1.96 x 0.43	CT405			126
400 to 800	1.96 x 0.59	CT406			128
1600 to 3200	2.37 x 3.15	CT426	584		130
5000 to 9000	2.56 x 4.0	CT403			132
100 to 2000	2.63 x 5.25	CT425			134
100 to 4000	3.25 x 4.25	CT401	561		136
1600 to 2000	3.26 x 0.71	CT407			138
200 to 3200	3.75 x 4.75	CT402	567		140
2000 to 4000	4.00 x 5.38	CT400	562		142
100 to 2000	4.25 x 1.18	CT409			144
100 to 3200	4.29 x 3.24	CT410			146
2000 to 5000	4.25 x 5.67	CT411			148
100 to 3200	4.26 x 2.77	CT420			150
2500 to 3200	4.84 x 0.71	CT408			152
2000 to 5000	5.85 x 4.25	CT421			154
2500 to 6000	6.33 x 2.13	CT422			156
4000 to 6000	6.30 x 5.17	CT423			158
2500 to 3000	6.33 x 1.79	CT424			160
2000 to 6000	6.90 x 3.15	CT427	585		162
50 TO 500	8.06 X 22.06	CT428	593, 594	BYZ-L	164
50 TO 100	12.80 X 13.58	CTQ2340-101DR			166
Auxiliary Current Transformers					
Primary Current Range	Window Size (inches)	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
0.4 to 10.5		CT550	190, 190X		168
600 Volt Voltage Transformers					
Primary Voltage Range	Thermal VA Rating	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
69.3 to 600	75VA @ 30C	PT101	468		170
69.3 to 600	150VA @ 30C	PT100	465	PPD	170
69.3 to 600	40VA @ 30C	PT103	469, 2VT469		172
69.3 to 600	150VA @ 30C	PT104	460		174
Medium Voltage Current Transformers					
Primary Current Range	Voltage Class	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
5 to 600	15.5 kV	C6.1	CTW5-L-110 / CTWH5-L-110		176
5 to 600	5.6 kV	C8.6	CTW3-60-T50 / CTWH3-60-T50		178
5 to 1200	5.6 kV	C8.7	CTWH3-60-T100	KIR-60	180
5 to 600	5.6 kV	C18	CTW3-60-T50 / CTWH3-60-T50		182

Medium Voltage Single Phase Indoor Voltage Transformers

Primary Voltage Range	Voltage Class	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
2400 to 4800	5.6 kV	V9	PTG3	VIY-60	184
2400 to 4800	5.6 kV	V9.1	PTW3	VIY-60	186
7200 to 14400	15.5 kV	V10	PTW4, PTG4, PTW5, PTG5	VIZ-75, VIZ-11	188
7200 to 14400	15.5 kV	V21.1	PTW4, PTG4, PTW5, PTG5	VIZ-75, VIZ-11	190
7200 TO 24000	25.5 kV	V22.1		VIZ-12	192
12000 to 24000	25.5 kV	V22.2		VIZ-12G	192
18000 to 24000	25.5 kV	V22.5	PT6-2		194
10200 to 24000	25.5 kV	V22.6	PT6-1		194

Medium Voltage Three Phase Indoor Voltage Transformers

Primary Voltage Range	Voltage Class	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
2400 to 7200	7.2 kV	V19			196
2400 to 7200	7.2 kV	V19.4			198
2400 to 12000	12 kV	V20.1			200
7200 to 13200	13.2 kV	V20.2			202
6600 to 13200	15.5 kV	V21			204

Custom Engineered Bushing Current Transformers

Primary Current Range	Voltage Class	AMRAN Catalog Number	GE-ITI MODEL #	ABB MODEL #	Page #
50 to 20000	600 V	Various			206

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Product Gallery/Portfolio	208
Company Profile	210



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Low Voltage Current Transformers



Model CT212

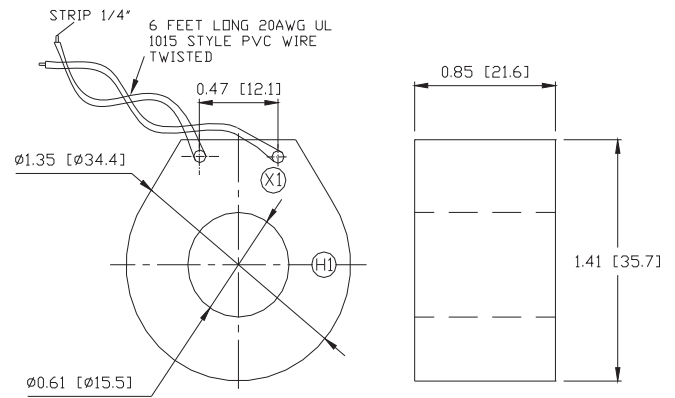
Window 0.61", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 9A

INSULATION LEVEL 600 V; BIL 10kV full wave
FREQUENCY 50-400 Hz.
RATING FACTOR 1.0 @ 30 deg. C ambient
OUTER ENCAPSULATION Plastic Cased. Polarity side is white for ease of identification.
SECONDARY LEADS Flexible leads UL 1015, 20 AWG, 72" long. Twisted pair is standard.
APPROX. WEIGHT 0.35 lbs.

Catalog Number	Current Ratio	Accuracy (60 Hz)	Burden (Ohms)
CT212-100	10:0.1	± 3 %	1.0
CT212-150	15:0.1	± 2 %	1.0
CT212-250	25:0.1	± 1 %	1.0
CT212-500	50:0.1	± 1 %	3.3
CT212-750	75:0.1	± 1 %	3.3
CT212-101	100:0.1	± 1 %	3.3



All dimensions are in inches [mm]

Model CT211

Window 1.00", 600V, 10kV BIL



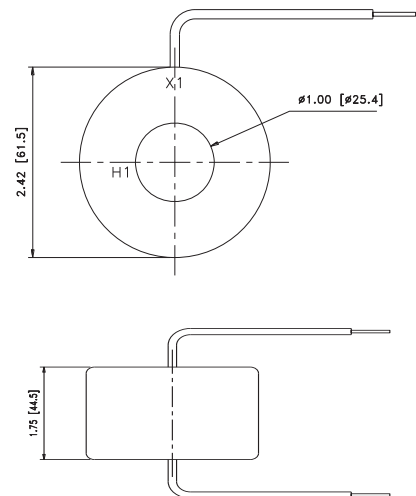
Equivalent to GE-ITI MODEL 2D, 2DRL, 2DARL

INSULATION LEVEL 600 V; BIL 10kV full wave
FREQUENCY 50-400 Hz.
RATING FACTOR 2.0 @ 30 deg. C ambient for upto 150:5 A 1.5 @ 30 deg. C ambient from 150:5 to 300:5 A
OUTER ENCAPSULATION Plastic Cased
SECONDARY LEADS Flexible leads UL 1015, 16 to 20 AWG, 12 to 24" long
APPROX. WEIGHT 0.9 lbs.

* Approved for revenue metering by Industry Canada No. AE-1757, AE-1566



CATALOG NUMBER	CURRENT RATIO	ACCURACY @ 60 Hz	BURDEN VA @ 60 HZ	ANSI METERING CLASS AT 60 HZ			
				B0.1	B0.2	B0.5	B0.9
CT211-500	50:5	+/- 5%	2.5	4.8	-	-	-
CT211-600	60:5	+/- 5%	2.5	4.8	-	-	-
CT211-750	75:5	+/- 3%	2.5	2.4	-	-	-
CT211-800	80:5	+/- 3%	2.5	2.4	-	-	-
CT211-101	100:5	+/- 3%	2.5	2.4	-	-	-
CT211-121	120:5	+/- 3%	3	2.4	2.4	-	-
CT211-1250	125:5	+/- 3%	3	2.4	2.4	-	-
CT211-151	150:5 *	+/- 1%	2.5	1.2	1.2	-	-
CT211-201	200:5 *	+/- 1%	5	0.3	0.6	1.2	-
CT211-251	250:5 *	+/- 1%	5	0.3	0.6	1.2	-
CT211-301	300:5 *	+/- 1%	10	0.3	0.3	0.6	1.2



All dimensions are in inches [mm]

Low Voltage Current Transformers



Model CT201

Window 1.13", 600V, 10kV BIL



INSULATION LEVEL
600 V; BIL 10kV full wave

REQUENCY
50-400 Hz.

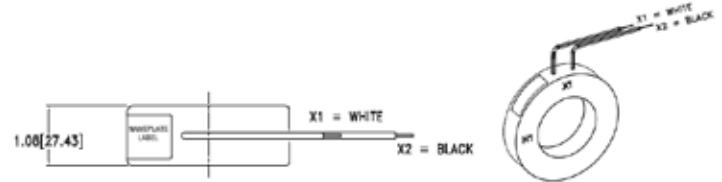
RATINGS
1.33 @ 30 deg. C ambient

OPERATIONAL CLASSIFICATION
Plastic Cased

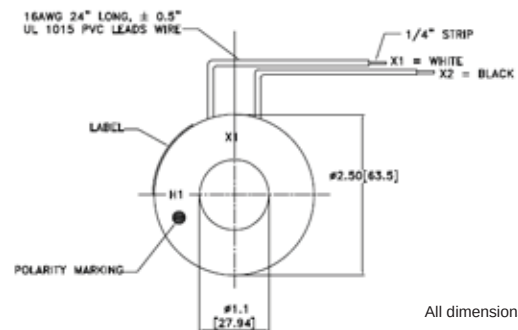
SECONDARY LEADS
Flexible leads UL 1015, 16 to 20 AWG, 24" long

WEIGHT
0.5 lbs.

DIMENSIONS:



Catalog Number	Current Ratio	Accuracy (60 Hz)	Burden VA
CT201-300	30:5	± 5 %	0.5
CT201-500	50:5	± 3 %	2.0
CT201-600	60:5	± 2 %	2.0
CT201-750	75:5	± 2 %	2.0
CT201-800	80:5	± 2 %	2.0
CT201-101	100:5	± 1 %	2.0
CT201-121	120:5	± 1 %	2.5
CT201-1250	125:5	± 1 %	2.5
CT201-151	150:5	± 1 %	4.0
CT201-201	200:5	± 1 %	4.0
CT201-251	250:5	± 1 %	6.0
CT201-301	300:5	± 1 %	8.0



All dimensions are in inches (mm)

Model CT225

Window 1.14", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 2SFT/2SHT

INSULATION LEVEL
600 V; BIL 10kV full wave

REQUENCY
50-400 Hz.

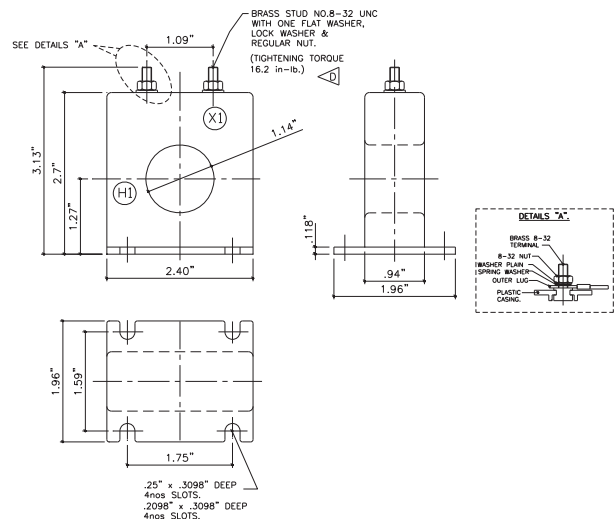
RATINGS
1.33 @ 30 deg. C ambient

OPERATIONAL CLASSIFICATION
Plastic Cased

TERMINALS
Brass studs No. 8-32 UNC with one flat washer, lockwasher and regular nut.

WEIGHT
0.5 lbs.

DIMENSIONS:



All dimensions are in inches

Catalog Number	Current Ratio	Accuracy (60 Hz)	Burden VA
CT225-500	50:5A	± 3 %	2.0
CT225-600	60:5A	± 2 %	2.0
CT225-750	75:5A	± 2 %	2.0
CT225-800	80:5A	± 2 %	2.0
CT225-101	100:5A	± 1 %	2.0
CT225-121	120:5A	± 1 %	2.5
CT225-1250	125:5A	± 1 %	2.5
CT225-151	150:5A	± 1 %	4.0
CT225-201	200:5A	± 1 %	4.0
CT225-251	250:5A	± 1 %	6.0
CT225-301	300:5A	± 1 %	8.0



Low Voltage Current Transformers



Model CT222

Window 1.22", 600V, 10kV BIL Full Wave



INSULATION LEVEL
600 V; BIL 10kV

FREQUENCY
50-400 Hz.

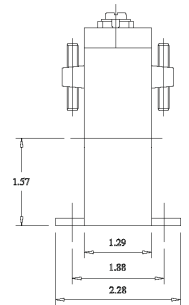
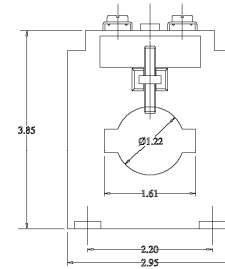
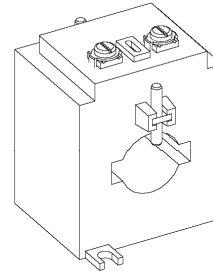
THERMAL RATING
2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass terminal with one flat washer and lock washer

APPROX. WEIGHT
0. Lbs.

DIMENSIONS:



All dimensions are in inches.

Catalog Number	Current Ratio	Accuracy class (50hz)			Primary size
		0.5	1.0	3.0	
CT222-750	75:5A	-	-	1.5	0 10 mm thick lat or round o 30 mm ia
CT222-101	100:5A	-	1.5	2.5	
CT222-121	120:5A	-	2.5	5.0	
CT222-151	150:5A	-	2.5	5.0	
CT222-201	200:5A	2.5	5.0	7.5	
CT222-251	250:5A	5.0	10.0	10.0	
CT222-301	300:5A	5.0	10.0	10.0	
CT222- 01	00:5A	10.0	10.0	15.0	
CT222-501	500:5A	10.0	15.0	15.0	
CT222-601	600:5A	15.0	15.0	15.0	
CT222- 01	00:5A	15.0	15.0	15.0	

Model CT223

Window 1.22", 600V, 10kV BIL Full Wave



INSULATION LEVEL
600 V; BIL 10kV

FREQUENCY
50-400 Hz.

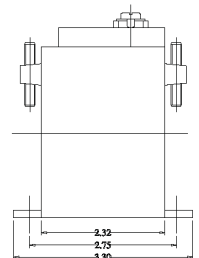
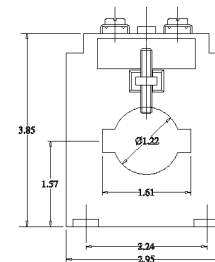
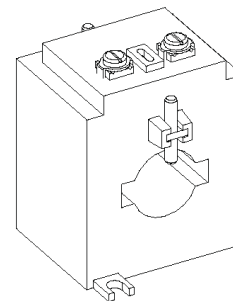
THERMAL RATING
2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass terminal with one flat washer and lock washer

APPROX. WEIGHT
0. Lbs.

DIMENSIONS:



All dimensions are in inches.

Catalog Number	Current Ratio	Accuracy class (50hz)			Primary size
		0.5	1.0	3.0	
CT223-500	50:5A	-	-	2.5	0 10 mm thick lat or round o 30 mm ia
CT223-600	60:5A	-	-	2.5	
CT223-750	75:5A	-	-	5.0	
CT223-101	100:5A	-	2.5	7.5	
CT223-121	120:5A	2.5	5.0	10.0	
CT223-151	150:5A	2.5	7.5	10.0	
CT223-201	200:5A	5.0	15.0	15.0	
CT223-251	250:5A	10.0	15.0	15.0	
CT223-301	300:5A	15.0	15.0	15.0	
CT223- 01	00:5A	15.0	15.0	-	
CT223-501	500:5A	15.0	-	-	
CT223-102	1000:5A	15.0	15.0	15.0	

Low Voltage Current Transformers

Model CT224

Window 1.22", 600V, 10kV BIL Full Wave



INSULATION LEVEL
600 V; BIL 10kV

FREQUENCY
50-400 Hz.

THERMAL RATING
2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient

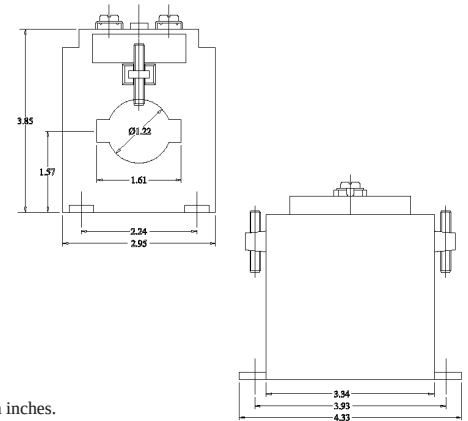
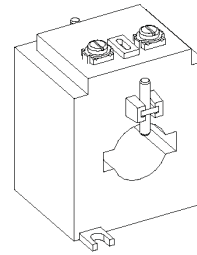
OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass terminal with one flat washer and lock washer

APPROX. WEIGHT
0. Lbs.



DIMENSIONS:



All dimensions are in inches.

Catalog Number	Current Ratio	Maximum VA at Accuracy class (50hz)			Max Primary Bus Size
		0.5	1.0	3.0	
CT224-500	50:5A	-	-	2.5	40x10 mm thick flat or round of 30 mm Dia
CT224-600	60:5A	-	-	2.5	
CT224-750	75:5A	-	-	5.0	
CT224-101	100:5A	-	2.5	7.5	
CT224-121	120:5A	2.5	5.0	10.0	
CT224-151	150:5A	2.5	7.5	10.0	
CT224-201	200:5A	5.0	15.0	15.0	
CT224-251	250:5A	10.0	15.0	15.0	
CT224-301	300:5A	15.0	15.0	15.0	
CT224-401	400:5A	15.0	15.0	-	
CT224-501	500:5A	15.0	-	-	
CT224-102	1000:5A	15.0	15.0	15.0	

Model CT229

Window 1.25", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 16SFT

INSULATION LEVEL
600 V; BIL 10kV full wave

FREQUENCY
50-400 Hz.

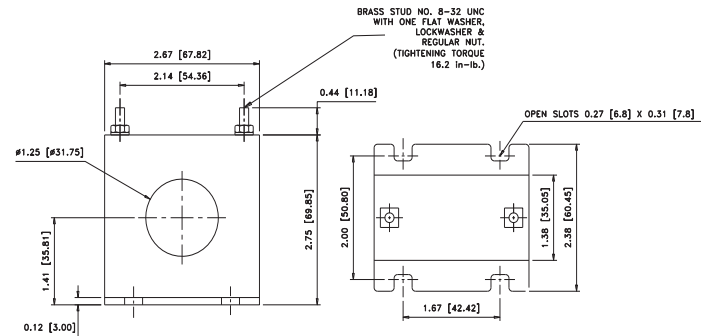
OUTER ENCAPSULATION
Plastic Cased

TERMINALS
Brass studs No 8-32 UNC with one flat washer, lockwasher and regular nut.

APPROX. WEIGHT
1.2 lbs.



DIMENSIONS:



All dimensions are in inches [mm]

Catalog Number	Current Ratio	ANSI Metering Class (60Hz)	
		Accuracy	Burden VA
CT229-500	50:5	± 2 %	1.5
CT229-600	60:5	± 2 %	1.5
CT229-750	75:5	± 2 %	3.0
CT229-800	80:5	± 2 %	3.0
CT229-101	100:5	± 1 %	3.0
CT229-121	120:5	± 1 %	4.0
CT229-1250	125:5	± 1 %	5.0
CT229-151	150:5	± 1 %	6.0
CT229-1750	175:5	± 1 %	7.0
CT229-201	200:5	± 1 %	8.0
CT229-251	250:5	± 1 %	10.0
CT229-301	300:5	± 1 %	10.0
CT229-401	400:5	± 1 %	15.0

Low Voltage Current Transformers



Model CT230

Window 1.25", 600V, 10kV BIL Full Wave



INS LA ION LE EL
600 V; BIL 10kV full wave

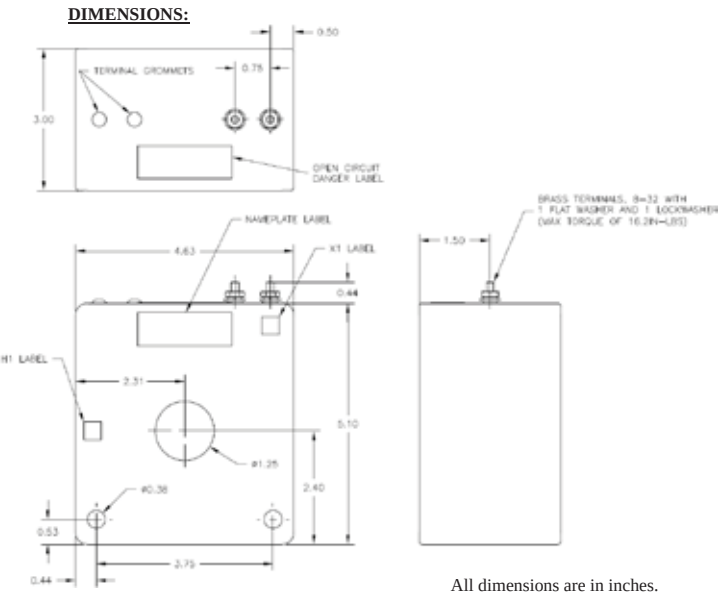
RE ENC
50-400 Hz.

O ER ENCA S LA ION
Plastic Cased

ERMINALS
Brass studs No -32 NC with one flat washer,
lockwasher and regular nut.

A RO EI H
10 lbs.

Equivalent to GE-ITI MODEL 21



Catalog Number	Current Ratio	Relay Class	
			B0.1
CT230-500	50:5	-	1.2
CT230-750	75:5	C10	0.6
CT230-101	100:5	C10	0.6
CT230-151	150:5	C20	0.3
CT230-201	200:5	C20	0.3
CT230-251	250:5	C20	0.3
CT230-301	300:5	C20	0.3
CT230-401	400:5	C50	0.3
CT230-501	500:5	C20	0.3
CT230-601	600:5	C50	0.3
CT230-751	750:5	C50	0.3
CT230-801	800:5	C50	0.3
CT230-102	1000:5	C100	0.3

ANSI Me rin Class a 60 Hz				Con in o s Thermal Ra in ac or	
B0.2	B0.5	B0.9	B1.8	at 30C	at 55C
2.4	-	-	-	2.0	1.5
1.2	2.4	4.8	-	2.0	1.5
1.2	1.2	2.4	4.8	2.0	1.5
0.6	0.6	1.2	2.4	2.0	1.5
0.3	0.6	0.6	1.2	2.0	1.5
0.3	0.3	0.6	1.2	1.5	1.33
0.3	0.3	0.3	0.6	1.5	1.33
0.3	0.3	0.3	0.6	1.5	1.33
0.3	0.3	0.3	0.6	1.5	1.33
0.3	0.3	0.3	0.3	1.33	1.0
0.3	0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	0.3	1.0	0.8

Low Voltage Current Transformers



Model CT226

Window 1.55", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 55FT

Catalog Number	Current Ratio	Accuracy (60 Hz)	Burden VA
CT226-500	50:5	± 2 %	1.0
CT226-750	75:5	± 2 %	1.5
CT226-101	100:5	± 2 %	2.5
CT226-150	150:5	± 1 %	5.0
CT226-201	200:5	± 1 %	5.0
CT226-251	250:5	± 1 %	10.0
CT226-301	300:5	± 1 %	12.5
CT226-401	400:5	± 1 %	12.5
CT226-501	500:5	± 1 %	20.0
CT226-601	600:5	± 1 %	25.0
CT226-751	750:5	± 1 %	25.0
CT226-801	800:5	± 1 %	25.0
CT226-102	1000:5	± 1 %	25.0
CT226-122	1200:5	± 1 %	30.0

INS LA ION LE EL
600 V; BIL 10kV full wave

RE ENC
50-400 Hz.

RA IN AC OR
2.0 @ 30 deg. C ambient

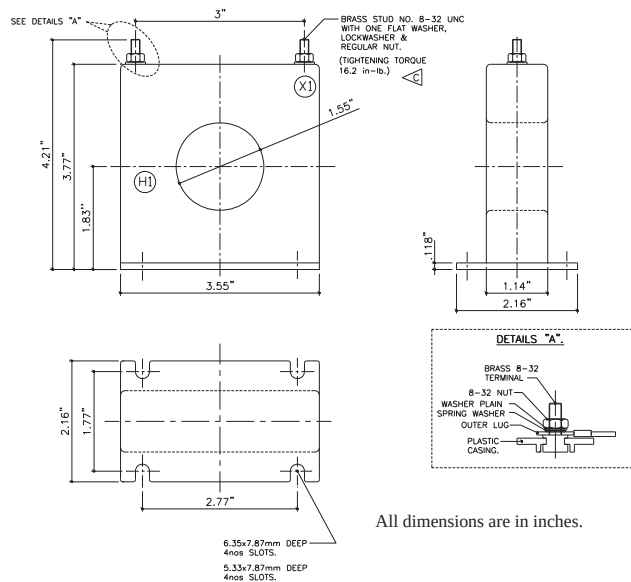
O ERENCA S LA ION
Plastic Cased

ERMINALS
Brass studs No. -32 NC with one flat washer,
lockwasher and regular nut.

A RO EI H
1.0 lbs.



DIMENSIONS:



All dimensions are in inches.

Model CT202

Window 1.56", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 5RL

Catalog Number	Current Ratio	Accuracy (60 Hz)	Burden VA
CT202-500	50:5	± 2 %	1.0
CT202-750	75:5	± 2 %	1.5
CT202-101	100:5	± 2 %	2.0
CT202-151	150:5	± 1 %	5.0
CT202-201	200:5	± 1 %	5.0
CT202-251	250:5	± 1 %	10.0
CT202-301	300:5	± 1 %	12.5
CT202-401	400:5	± 1 %	15.0
CT202-501	500:5	± 1 %	20.0
CT202-601	600:5	± 1 %	25.0
CT202-751	750:5	± 1 %	25.0
CT202-801	800:5	± 1 %	25.0
CT202-102	1000:5	± 1 %	25.0
CT202-122	1200:5	± 1 %	30.0

INS LA ION LE EL
600 V; BIL 10kV full wave

RE ENC
50-400 Hz.

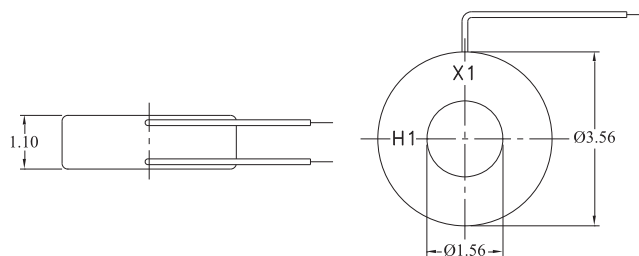
O ERENCA S LA ION
Plastic Cased

SECONDARY LEADS
Flexible leads UL 1015, 16 to 20 AWG, 24" long

A RO EI H
1.0 lbs.



DIMENSIONS:



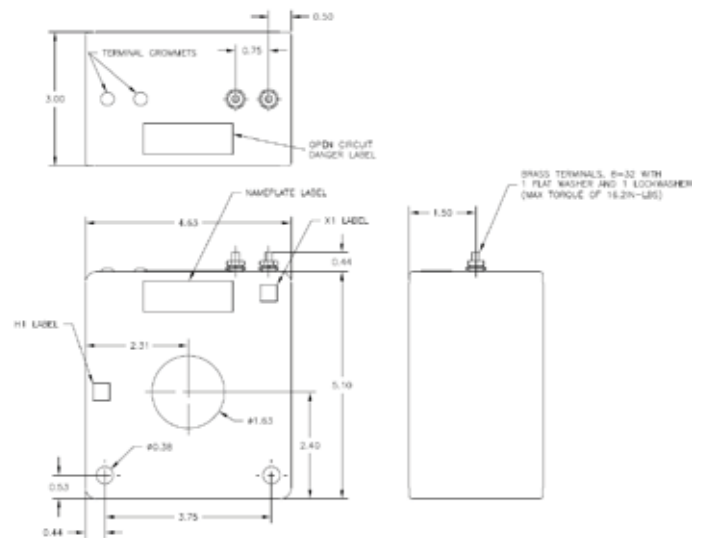
All dimensions are in inches.

AMRAN
INSTRUMENT TRANSFORMERS

Window 1.63", 600V, 10kV BIL Full Wave



A RO EI H
9 lbs.



No e: -All dimensions are in Inches

ANSI Meeting Class a 60 Hz				Continuous Thermal Rating	
B0.2	B0.5	B0.9	B1.8	at 30C	at 55C
1.2	2.4	2.4	4.8	2.0	1.5
0.6	1.2	1.2	2.4	2.0	1.5
0.3	0.6	1.2	1.2	2.0	1.5
0.3	0.6	0.6	1.2	1.5	1.33
0.3	0.3	0.6	0.6	1.5	1.33
0.3	0.3	0.3	0.6	1.5	1.33
0.3	0.3	0.3	0.3	1.5	1.33

Low Voltage Current Transformers

Model CT232

Window 2.00", 600V, 10kV BIL Full Wave



UL [®] **US E**



Equivalent to GE-ITI MODEL 23

INS LA ION LE EL
600 V; BIL 10kV full wave

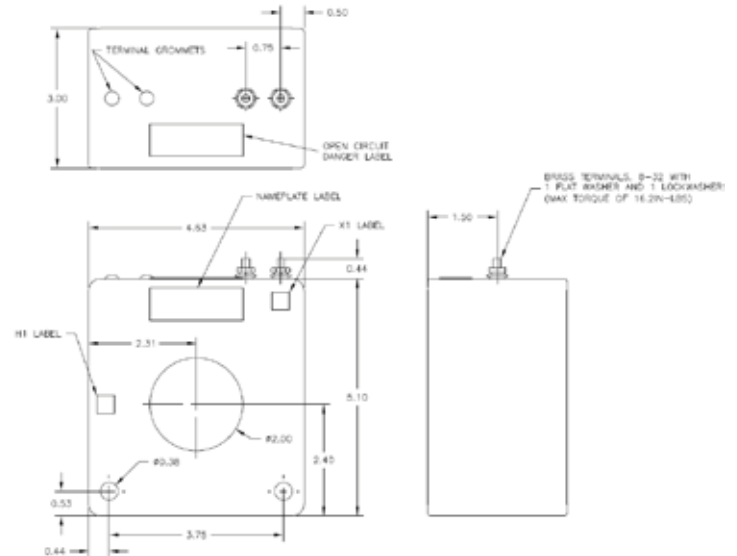
RE ENC
50-400 Hz.

O ERENCA S LA ION
Plastic Cased

ERMINALS
Brass studs No -32 NC with one flat washer,
lockwasher and regular nut.

A RO EI H
.5 lbs.

DIMENSIONS:



No e: -

All dimensions are in Inches

Catalog Number	Current Ratio	Relay Class	
			B0.1
CT232-101	100:5	-	0.6
CT232-151	150:5	C10	0.6
CT232-201	200:5	C10	0.3
CT232-251	250:5	C20	0.3
CT232-301	300:5	C20	0.3
CT232-401	400:5	C20	0.3
CT232-501	500:5	C50	0.3
CT232-601	600:5	C50	0.3

ANSI Me erin Class a 60 Hz					Con in o s Thermal Ra in ac or	
	B0.2	B0.5	B0.9	B1.8	at 30C	at 55C
	0.6	2.4	4.8	-	2.0	1.5
	0.6	0.6	1.2	2.4	2.0	1.5
	0.6	0.6	1.2	2.4	2.0	1.5
	0.3	0.6	0.6	1.2	2.0	1.5
	0.3	0.3	0.6	1.2	1.5	1.33
	0.3	0.3	0.3	0.6	1.5	1.33
	0.3	0.3	0.3	0.3	1.5	1.33
	0.3	0.3	0.3	0.3	1.33	1.0

Low Voltage Current Transformers



Model CT227

Window 2.05", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 6SFT

INSULATION LEVEL
600 V; BIL 10kV full wave

FREQUENCY
50-400 Hz.

OUTER ENCAPSULATION
Plastic Cased

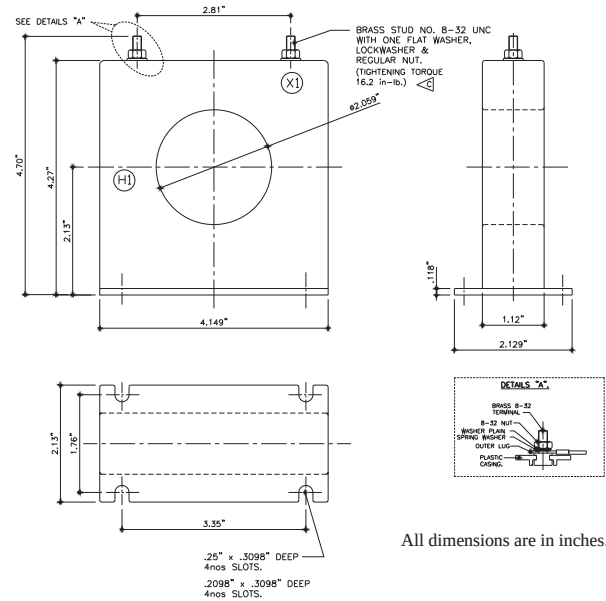
TERMINALS
Brass studs No. -32 UNC with one flat washer, lockwasher and regular nut.

APPROX. WEIGHT
1.2 lbs.



Catalog Number	Current Ratio	Accuracy (60 Hz)	Burden VA
CT227-101	100:5	± 2 %	2.0
CT227-151	150:5	± 1 %	5.0
CT227-201	200:5	± 1 %	5.0
CT227-251	250:5	± 1 %	7.5
CT227-301	300:5	± 1 %	12.5
CT227-401	400:5	± 1 %	15.0
CT227-501	500:5	± 1 %	25.0
CT227-601	600:5	± 1 %	30.0
CT227-751	750:5	± 1 %	25.0
CT227-801	800:5	± 1 %	25.0
CT227-102	1000:5	± 1 %	35.0
CT227-122	1200:5	± 1 %	40.0
CT227-152	1500:5	± 1 %	50.0

DIMENSIONS:



All dimensions are in inches.

Model CT203

Window 2.06", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 6RL

INSULATION LEVEL
600 V; BIL 10kV full wave

FREQUENCY
50-400 Hz.

OUTER ENCAPSULATION
Plastic Cased

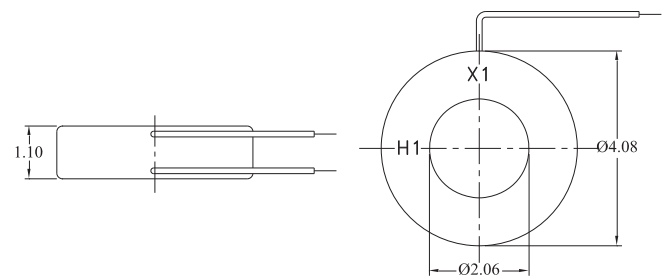
SECONDARY LEADS
Flexible leads UL 1015, 16 to 20 AWG, 24" long

APPROX. WEIGHT
1.2 lbs.



Catalog Number	Current Ratio	Accuracy (60 Hz)	Burden VA
CT203-101	100:5	± 2 %	2.0
CT203-151	150:5	± 1 %	5.0
CT203-201	200:5	± 1 %	5.0
CT203-251	250:5	± 1 %	7.5
CT203-301	300:5	± 1 %	12.5
CT203-401	400:5	± 1 %	15.0
CT203-501	500:5	± 1 %	25.0
CT203-601	600:5	± 1 %	30.0
CT203-751	750:5	± 1 %	25.0
CT203-801	800:5	± 1 %	25.0
CT203-102	1000:5	± 1 %	35.5
CT203-122	1200:5	± 1 %	40.0
CT203-152	1500:5	± 1 %	50.0

DIMENSIONS:



All dimensions are in inches.

AMRAN
INSTRUMENT TRANSFORMER

Window 2.06", 600V, 10kV BIL Full Wave

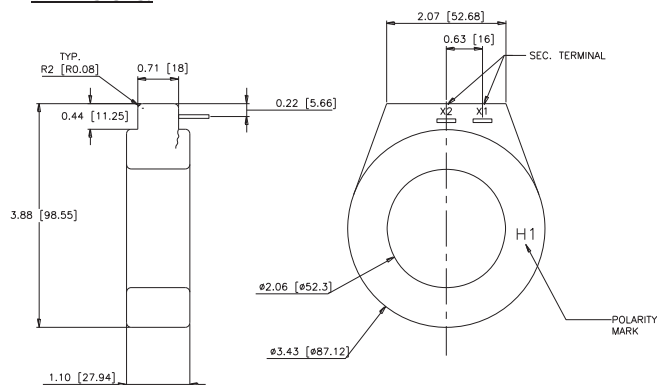


INSULATION LEVEL
600 V; BIL 10kV full wave

RATING FACTOR
1.0 @ 30 deg. C ambient

TERMINALS
1/4" Aston connectors are standard.

DIMENSIONS:



All dimensions are in inches [mm]

CATALOG NUMBER	CURRENT RATIO	ACCURACY AT 60 Hz	BURDEN VA at 60 Hz
CT304-500	50:5	±3%	0.5
CT304-750	75:5	±1%	0.5
CT304-101	100:5	±1%	1.0
CT304-151	150:5	±1%	2.5
CT304-201	200:5	±1%	4.0
CT304-251	250:5	±1%	6.0
CT304-301	300:5	±1%	7.5
CT304-401	400:5	±1%	10.0
CT304-501	500:5	±1%	12.5
CT304-601	600:5	±1%	15.0
CT304-751	750:5	±1%	7.0
CT304-801	800:5	±1%	8.0
CT304-102	1000:5	±1%	10.0
CT304-122	1200:5	±1%	12.5

Window 2.08", 600V, 10kV BIL Full Wave



INSULATION LEVEL
600 V; BIL 10kV full wave

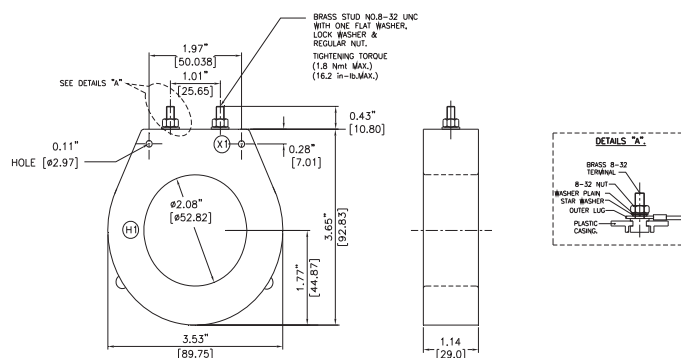
OUTER ENCAPSULATION

Plastic Cased

TERMINALS
Brass studs No 8-32 UNC
with one flat washer, lock
washer and regular nut.

APPROX. WEIGHT
0.6 lbs.

DIMENSIONS:



All dimensions are in inches [mm]

Catalog Number	Current Ratio	Accuracy (60 Hz)	Burden VA
CT300-500	50:5	± 3 %	0.5
CT300-750	75:5	±1%	0.5
CT300-101	100:5	±1%	1.0
CT300-151	150:5	±1%	2.5
CT300-201	200:5	±1%	4.0
CT300-251	250:5	±1%	6.0
CT300-301	300:5	±1%	7.5
CT300-401	400:5	±1%	10.0
CT300-501	500:5	±1%	12.5
CT300-601	600:5	±1%	15.0
CT300-751	750:5	±1%	7.0
CT300-801	800:5	±1%	8.0
CT300-102	1000:5	±1%	10.0
CT300-122	1200:5	±1%	12.5

Low Voltage Current Transformers



Model CT301

Window 2.08", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 56RBT

Ca alo N m er	C rren Ra io	ANSI Me erin Class (60Hz)	
		Acc rac	B rden VA
CT301-500	50:5	3 %	0.5
CT301-750	75:5	1 %	0.5
CT301-101	100:5	1 %	1.0
CT301-151	150:5	1 %	2.5
CT301-201	200:5	1 %	4.0
CT301-251	250:5	1 %	6.0
CT301-301	300:5	1 %	7.5
CT301-401	400:5	1 %	10.0
CT301-501	500:5	1 %	12.5
CT301-601	600:5	1 %	15.0
CT301-751	750:5	1 %	7.0
CT301-801	800:5	1 %	8.0
CT301-102	1000:5	1 %	10.0
CT301-122	1200:5	1 %	12.5

INS LA ION LE EL
600 V; BIL 10kV full wave

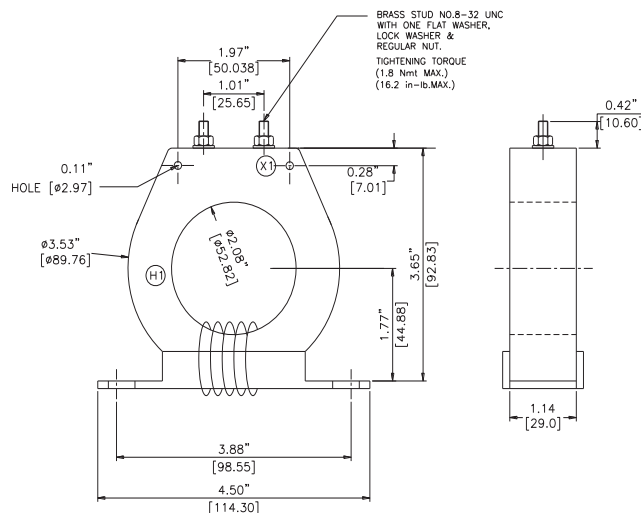
RE ENC
50-400 Hz.

O ERENCA S LA ION
Plastic Cased. Mounting Bracket Included.

TERMINALS
Brass studs No 8-32 UNC with one flat washer, lock washer and regular nut.

APPROX. WEIGHT
0.6 lbs.

DIMENSIONS:



All dimensions are in inches [mm]

Model CT302

Window 2.08", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 56RBL

Ca alo N m er	C rren Ra io	ANSI Me erin Class (60Hz)	
		Acc rac	B rden VA
CT302-500	50:5	3 %	0.5
CT302-750	75:5	1 %	0.5
CT302-101	100:5	1 %	1.0
CT302-151	150:5	1 %	2.5
CT302-201	200:5	1 %	4.0
CT302-251	250:5	1 %	6.0
CT302-301	300:5	1 %	7.5
CT302-401	400:5	1 %	10.0
CT302-501	500:5	1 %	12.5
CT302-601	600:5	1 %	15.0
CT302-751	750:5	1 %	7.0
CT302-801	800:5	1 %	8.0
CT302-102	1000:5	1 %	10.0
CT302-122	1200:5	1 %	12.5

INS LA ION LE EL
600 V; BIL 10kV full wave

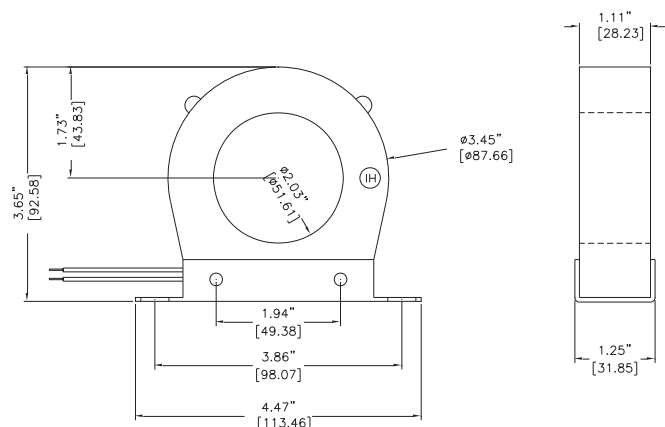
RE ENC
50-400 Hz.

OUTER ENCAPSULATION
Plastic Cased. Mounting Bracket Included.

SECONDARY LEADS
Flexible leads, UL 1015, 16AWG, 24" long.

APPROX. WEIGHT
0.6 lbs.

DIMENSIONS:



All dimensions are in inches [mm]

Low Voltage Current Transformers



Model CT206

Window 2.25", 600V, 10kV BIL Full Wave



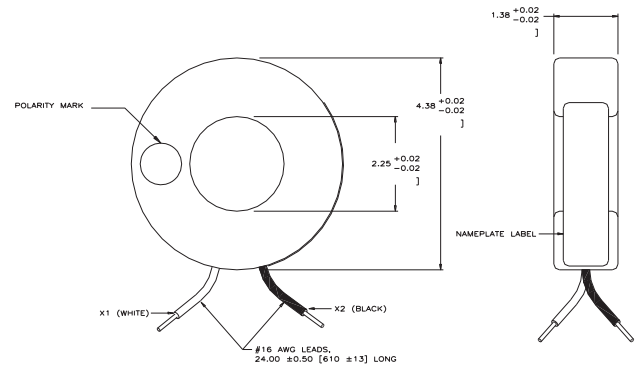
INSULATION LEVEL 600 V; BIL 10kV full wave	OUTER ENCAPSULATION Plastic Cased
FREQUENCY 50-400 Hz.	SECONDARY LEADS Flexible leads, UL 1015, 16 AWG, 24" long.
RATING FACTOR 1.5 @ 30 deg. C Ambient	APPROX. WEIGHT 2.5 lbs.

Equivalent to GE-ITI MODEL 7RL



Catalog Number	Current Ratio	Accuracy Rating at Specified Burden (on factor of 1.0)			
		2.5VA @ 60Hz	5.0VA @ 60Hz	12.5VA @ 60Hz	25VA @ 60Hz
CT206-500	50:5	1.5%	-	-	-
CT206-101	100:5	1.0%	-	-	-
CT206-151	150:5	1.0%	-	-	-
CT206-201	200:5	0.6%	1.0%	2.0%	-
CT206-251	250:5	0.6%	0.6%	1.2%	-
CT206-301	300:5	0.3%	0.6%	1.0%	-
CT206-401	400:5	0.3%	0.3%	0.6%	1.0%
CT206-501	500:5	0.3%	0.3%	0.6%	1.0%
CT206-601	600:5	0.3%	0.3%	0.6%	0.6%
CT206-751	750:5	0.3%	0.3%	0.6%	1.0%
CT206-801	800:5	0.3%	0.3%	0.6%	0.6%
CT206-102	1000:5	0.3%	0.3%	0.3%	0.6%
CT206-122	1200:5	0.3%	0.3%	0.3%	0.6%
CT206-152	1500:5	0.3%	0.3%	0.3%	0.3%

DIMENSIONS:



All dimensions are in inches.

Model CT204

Window 2.50", 600V, 10kV BIL Full Wave



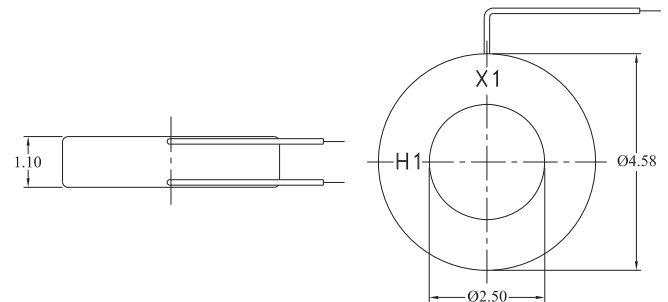
INSULATION LEVEL 600 V; BIL 10kV full wave	SECONDARY LEADS Flexible leads, UL 1015, 16 to 20AWG, 24" long.
FREQUENCY 50-400 Hz.	APPROX. WEIGHT 1.5 lbs.
OUTER ENCAPSULATION Plastic Cased	

Equivalent to GE-ITI MODEL 7RL



Catalog Number	Current Ratio	Accuracy	Burden VA
CT204-101	100:5	± 2 %	2.5
CT204-151	150:5	± 1 %	5.0
CT204-201	200:5	± 1 %	5.0
CT204-251	250:5	± 1 %	5.0
CT204-301	300:5	± 1 %	12.5
CT204-401	400:5	± 1 %	15.0
CT204-501	500:5	± 1 %	25.0
CT204-601	600:5	± 1 %	30.0
CT204-751	750:5	± 1 %	30.0
CT204-801	800:5	± 1 %	35.0
CT204-102	1000:5	± 1 %	35.0
CT204-122	1200:5	± 1 %	35.0
CT204-152	1500:5	± 1 %	40.0
CT204-162	1600:5	± 1 %	45.0

DIMENSIONS:



All dimensions are in inches.

Low Voltage Current Transformers

Model CT213

Window 2.5", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 200

INSULATION LEVEL
600 V, BIL 10kV full wave

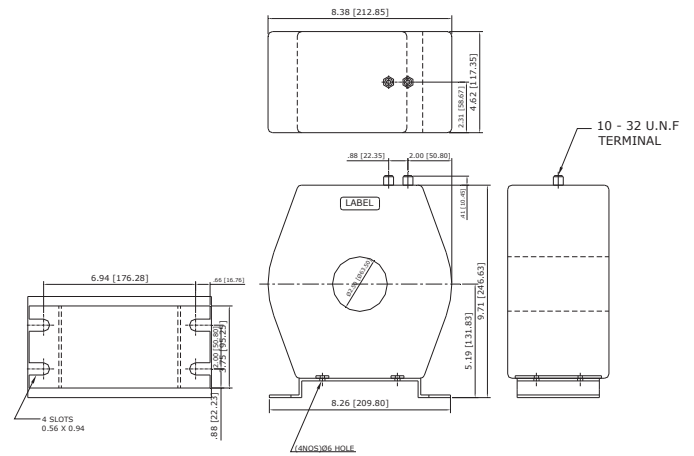
FREQUENCY
50-400 Hz

THERMAL RATING
As per table

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

DIMENSIONS:



All dimensions are in inches [mm]

C A T A L O G N U M B E R	C U R R E N T R A T I O	R A T I O C A C A (6 0 H)	A N N U A L T R A N S I E M P E R A T U R E		
			B0.1	B0.2	
CT213-500	50:5	C20	2.	2.	
CT213-750	75:5	C20	1.2	1.2	
CT213-101	100:5	C20	0.6	1.2	
CT213-151	150:5	C50	0.3	0.6	
CT213-201	200:5	C50	0.3	0.3	
CT213-251	250:5	C100	0.3	0.3	
CT213-301	300:5	C100	0.3	0.3	
CT213- 01	00:5	C200	0.3	0.3	
CT213-501	500:5	C200	0.3	0.3	
CT213-601	600:5	C200	0.3	0.3	

I N C L U S I O N 6 0 H			S E C O N D A R Y I N D I C A T O R S I S T A N C E (Ω @ 7 5 ° C)	C O N T I N U O U S T H E R M A L R A T I N G A C T O R	
B0.5	B0.	B1.8		@ 3 0 ° C	@ 5 5 ° C
4.8	-	-	0.026	2.0	2.0
2.4	4.8	-	0.03	2.0	2.0
1.2	2.4	4.8	0.051	2.0	2.0
0.6	1.2	2.4	0.077	2.0	2.0
0.6	0.6	1.2	0.103	2.0	2.0
0.3	0.6	1.2	0.12	2.0	2.0
0.3	0.3	0.6	0.154	2.0	2.0
0.3	0.3	0.3	0.206	2.0	1.5
0.3	0.3	0.3	0.408	1.5	1.5
0.3	0.3	0.3	0.48	1.5	1.5

Low Voltage Current Transformers

Model CT220

Window 2.5", 600V, 10kV BIL



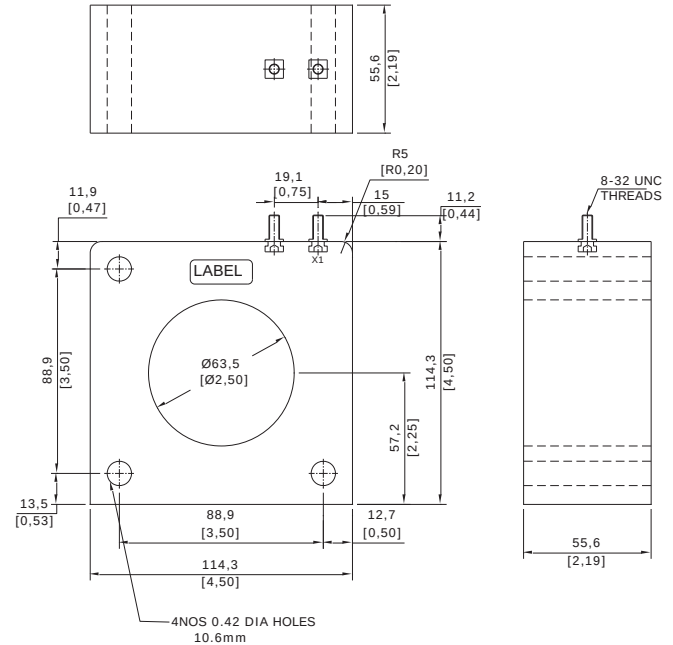
Equivalent to GE-ITI MODEL 180SHT

INSULATION LEVEL 600 V, BIL 10kV full wave	OPERENCAS LATION Plastic Cased
RE-ENC 50-400 Hz	SECONDARY TERMINALS Brass screw -32 with one flat washer and lock washer
HERMAL RATING As per table	WEIGHT 3.5 lbs.

ANSI METERING CLASS

CATALOG NUMBER	CURRENT RATIO	V.A. ±1% CLASS	ANSI METERING CLASS		
			B0.1	B0.2	B0.5
CT220-500	50:5	1.5	2.4	-	-
CT220-750	75:5	2.5	1.2	2.4	-
CT220-101	100:5	2.5	1.2	2.4	4.8
CT220-151	150:5 *	5.0	0.6	1.2	2.4
CT220-201	200:5 *	12.5	0.6	1.2	1.2
CT220-251	250:5 *	12.5	0.3	0.6	1.2
CT220-301	300:5 *	25.0	0.3	0.3	0.6
CT220-401	400:5 *	50.0	0.3	0.3	0.3
CT220-501	500:5 *	50.0	0.3	0.3	0.3
CT220-601	600:5 *	50.0	0.3	0.3	0.3
CT220-751	750:5 *	50.0	0.3	0.3	0.3
CT220-801	800:5 *	75.0	0.3	0.3	0.3
CT220-102	1000:5 *	100.0	0.3	0.3	0.3
CT220-122	1200:5 *	125.0	0.3	0.3	0.3
CT220-152	1500:5 *	160.0	0.3	0.3	0.3
CT220-162	1600:5 *	175.0	0.3	0.3	0.3
CT220-202	2000:5 *	200.0	0.3	0.3	0.3

DIMENSIONS (ALL DIMENSIONS ARE IN MILLIMETERS [Inches]):



CLASS @ 60 HZ		CONTINUOUS THERMAL RATING FACTOR	
B0.9	B1.8	@ 30°C	@ 55°C
-	-	1.33	1.0
-	-	1.33	1.0
-	-	1.33	1.0
4.8	-	1.33	1.0
2.4	-	1.33	1.0
1.2	-	1.33	1.0
1.2	2.4	1.33	1.0
0.6	1.2	1.33	1.0
0.6	1.2	1.33	1.0
0.6	1.2	1.33	1.0
0.6	1.2	1.33	1.0
0.6	0.6	1.33	1.0
0.3	0.6	1.33	1.0
0.3	0.3	1.33	1.0
0.3	0.3	1.33	1.0
0.3	0.3	1.25	1.0
0.3	0.3	1.0	0.75

Low Voltage Current Transformers

Model CT233

Window 2.50", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 24

INSULATION LEVEL
600 V; BIL 10kV full wave

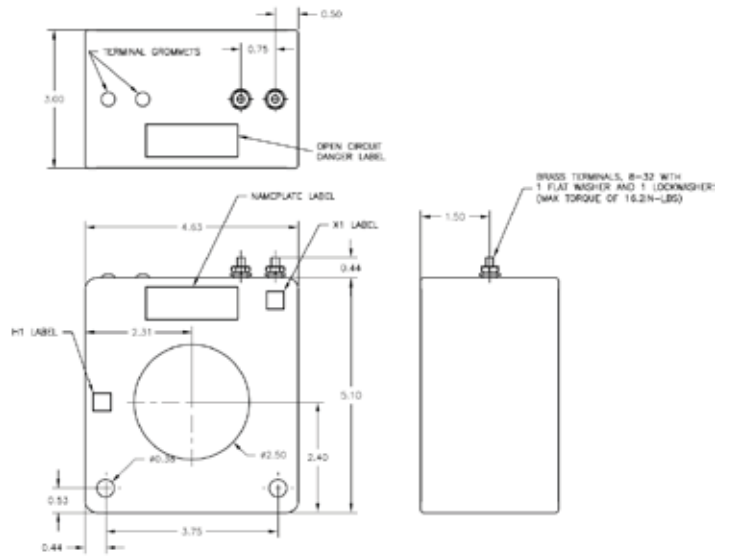
RENC
50-400 Hz.

OPERENCAS
Plastic Cased

TERMINALS
Brass studs No. 8-32 NC with one flat washer, lockwasher and regular nut.

WEIGHT
6.5 lbs.

DIMENSIONS:



All dimensions are in inches.

Catalog Number	Current Ratio	Relay Class	
			B0.1
CT233-101	100:5	-	0.6
CT233-151	150:5	-	0.6
CT233-201	200:5	C10	0.3
CT233-251	250:5	C10	0.3
CT233-301	300:5	C10	0.3
CT233-401	400:5	C20	0.3
CT233-501	500:5	C20	0.3
CT233-601	600:5	C20	0.3
CT233-751	750:5	C20	0.3
CT233-801	800:5	C20	0.3
CT233-102	1000:5	C10	0.3
CT233-122	1200:5	C10	0.3
CT233-152	1500:5	C10	0.3
CT233-162	1600:5	C10	0.3

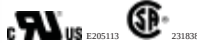
ANSI Metering Class a 60 Hz				Continuous Thermal Rating	
B0.2	B0.5	B0.9	B1.8	at 30C	at 55C
1.2	2.4	4.8	-	2.0	1.5
0.6	1.2	2.4	4.8	2.0	1.5
0.3	0.6	1.2	2.4	2.0	1.5
0.3	0.3	0.6	1.2	2.0	1.33
0.3	0.3	0.6	1.2	2.0	1.33
0.3	0.3	0.6	0.6	1.5	1.33
0.3	0.3	0.3	0.6	1.5	1.33
0.3	0.3	0.3	0.3	1.33	1.0
0.3	0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	0.3	0.8	0.6

Low Voltage Current Transformers



Model CT235

Window 2.50", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 75HT

Catalog Number	Current Ratio	Accuracy at 60 Hz	Burden at 60 Hz	Rating Factor
CT235-101	100:5	±2%	2.5	1.2 @ 30C
CT235-151	150:5	±1%	5.0	1.2 @ 30C
CT235-201	200:5	±1%	5.0	1.2 @ 30C
CT235-251	250:5	±1%	5.0	1.2 @ 30C
CT235-301	300:5	±1%	12.5	1.2 @ 30C
CT235-401	400:5	±1%	15.0	1.2 @ 30C
CT235-501	500:5	±1%	25.0	1.2 @ 30C
CT235-601	600:5	±1%	30.0	1.2 @ 30C
CT235-751	750:5	±1%	30.0	1.2 @ 30C
CT235-801	800:5	±1%	35.0	1.2 @ 30C
CT235-102	1000:5	±1%	35.0	1.2 @ 30C
CT235-122	1200:5	±1%	35.0	1.2 @ 30C
CT235-152	1500:5	±1%	40.0	1.2 @ 30C
CT235-162	1600:5	±1%	45.5	1.2 @ 30C
CT235-102-01	1000:1	±1%	2.5	1.2 @ 30C
CT235-401-01	400:1	±1%	7.5	1.2 @ 30C

INSULATION LEVEL
600 V; BIL 10kV full wave

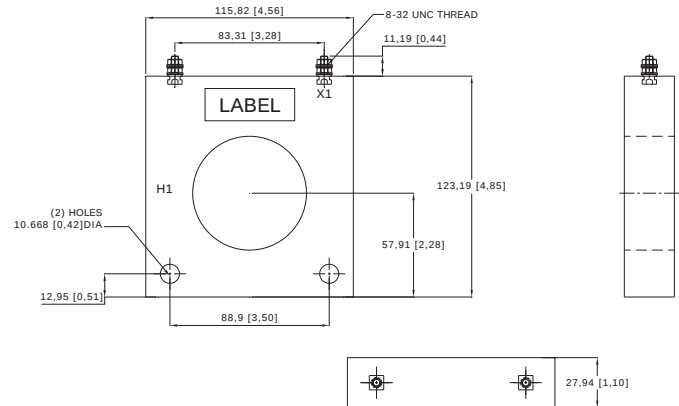
FREQUENCY
50-60 Hz.

OUTER ENCAPSULATION
Plastic Cased

TERMINALS
Brass studs No 8-32 UNC with one flat washer, lockwasher and regular nut.

APPROX. WEIGHT
1.5 lbs.

DIMENSIONS:



All dimensions are in mm [Inches]
Metal mounting bracket and hardware are optional.

Model CT303

Window 3.0", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 76RBL

INSULATION LEVEL
600 V; BIL 10kV full wave

FREQUENCY
50-400 Hz.

OUTER ENCAPSULATION
Plastic Cased. Mounting Bracket Included.

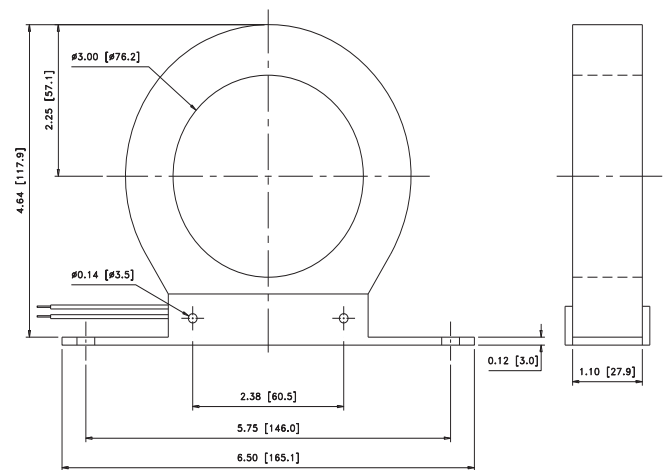
SECONDARY LEADS
Flexible leads, UL 1015, 16AWG, 24" long.

APPROX. WEIGHT
2.5 lbs.

Catalog Number	Current Ratio	ANSI Metering Class (60Hz)	
		Accuracy	Burden VA
CT303-201	200:5	1 %	5.0
CT303-251	250:5	1 %	5.0
CT303-301	300:5	1 %	6.0
CT303-401	400:5	1 %	10.0
CT303-501	500:5	1 %	10.0
CT303-601	600:5	1 %	10.0
CT303-751	750:5	1 %	10.0
CT303-801	800:5	1 %	12.5
CT303-102	1000:5	1 %	10.0
CT303-122	1200:5	1 %	10.0
CT303-152	1500:5	1 %	12.5
CT303-162	1600:5	1 %	12.5
CT303-202	2000:5	1 %	15.0



DIMENSIONS:



All dimensions are in inches [mm]

Low Voltage Current Transformers

Model CT234

Window 3.13", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 25

INS LA ION LE EL
600 V; BIL 10kV full wave

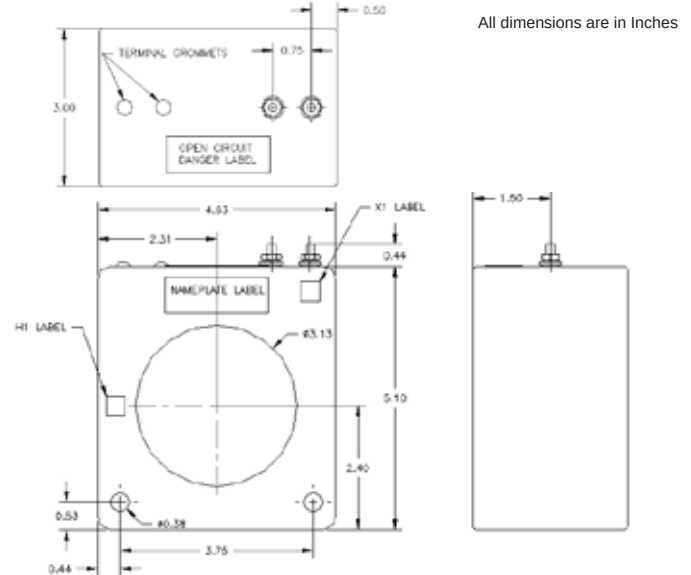
RE ENC
50-400 Hz.

O ERENCA S LA ION
Plastic Cased

TERMINALS
Brass studs No 8-32 UNC
with one flat washer,
lockwasher and regular
nut.

APPROX. WEIGHT
5.5 lbs.

DIMENSIONS:



No e: -

All dimensions are in Inches

Catalog Number	Current Ratio	V.A. $\pm 1\%$ Class	
			B0.1
CT234-201	200:5	10	0.6
CT234-251	250:5	15	0.3
CT234-301	300:5	20	0.3
CT234-401	400:5	30	0.3
CT234-501	500:5	45	0.3
CT234-601	600:5	60	0.3
CT234-751	750:5	75	0.3
CT234-801	800:5	80	0.3
CT234-102	1000:5	100	0.3
CT234-122	1200:5	75	0.3
CT234-152	1500:5	90	0.3
CT234-162	1600:5	95	0.3
CT234-202	2000:5	100	0.3

ANSI Me erin Class a 60 Hz					Con in o s Thermal Ra in ac or	
B0.2	B0.5	B0.9	B1.8		at 30C	at 55C
0.6	1.2	2.4	4.8		2.0	1.5
0.3	1.2	1.2	2.4		2.0	1.5
0.3	0.6	1.2	2.4		2.0	1.5
0.3	0.6	0.6	1.2		1.5	1.33
0.3	0.3	0.6	1.2		1.5	1.33
0.3	0.3	0.3	0.6		1.33	1.0
0.3	0.3	0.3	0.6		1.0	0.8
0.3	0.3	0.3	0.3		1.0	0.8
0.3	0.3	0.3	0.3		1.0	0.8
0.3	0.3	0.3	0.3		1.0	0.8
0.3	0.3	0.3	0.3		1.0	0.8
0.3	0.3	0.3	0.3		1.0	0.8
0.3	0.3	0.3	0.3		0.8	0.6

Low Voltage Current Transformers



Model CT205

Window 3.25", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 8RL

INSULATION LEVEL
600 V; BIL 10kV full wave

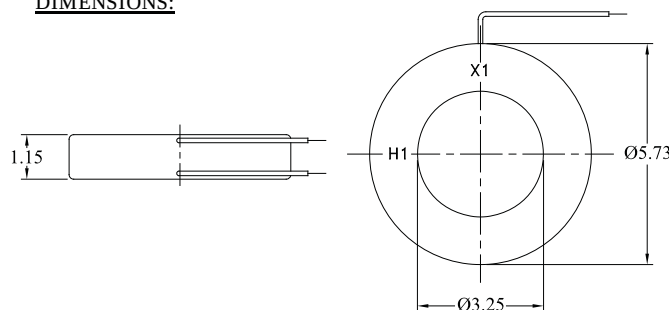
RE-ENCLOSURE
50-400 Hz.

OTHER FEATURES
Plastic Cased

SECONDARY LEADS
Flexible leads UL 1015,
16 to 20 AWG, 24" long

APPROX. WEIGHT
2.5 lbs.

DIMENSIONS:



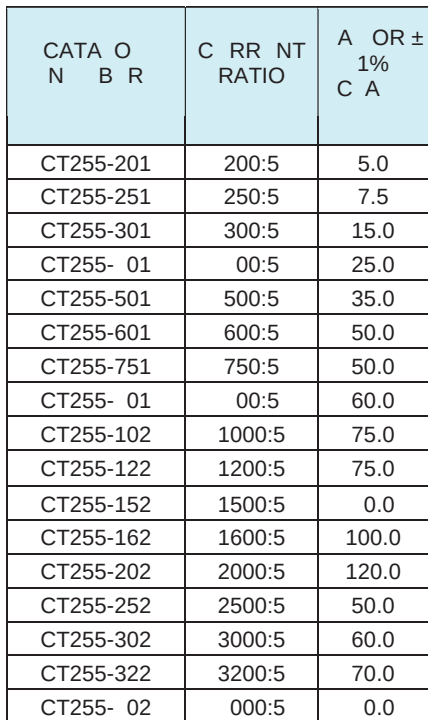
All dimensions are in inches

CATALOG NUMBER	CURRENT RATIO	VA OR $\pm 1\%$ CLASS
CT205-201	200:5	5.0
CT205-251	250:5	7.5
CT205-301	300:5	15.0
CT205-401	400:5	25.0
CT205-501	500:5	35.0
CT205-601	600:5	50.0
CT205-751	750:5	50.0
CT205-801	800:5	60.0
CT205-102	1000:5	75.0
CT205-122	1200:5	75.0
CT205-152	1500:5	90.0
CT205-162	1600:5	100.0
CT205-202	2000:5	120.0
CT205-252	2500:5	50.0
CT205-302	3000:5	60.0
CT205-322	3200:5	70.0
CT205-402	4000:5	80.0

ANSI Meeting Class (60 Hz)					Connections Thermal Rating ac or @ 30 °C
B0.1	B0.2	B0.5	B0.9	B1.8	
1.2	1.2	2.4	4.8	4.8	1.33
0.6	0.6	1.2	2.4	4.8	1.33
0.6	0.6	1.2	2.4	2.4	1.33
0.3	0.3	0.6	1.2	2.4	1.33
0.3	0.3	0.6	0.6	1.2	1.33
0.3	0.3	0.6	0.6	1.2	1.33
0.3	0.3	0.3	0.6	1.2	1.0
0.3	0.3	0.3	0.6	0.6	1.0
0.3	0.3	0.3	0.3	0.6	1.0
0.3	0.3	0.3	0.3	0.3	1.0
0.3	0.3	0.3	0.3	0.3	1.0
0.3	0.3	0.3	0.3	0.3	0.8
0.3	0.3	0.3	0.3	0.3	0.8
0.3	0.3	0.3	0.3	0.3	0.8
0.3	0.3	0.3	0.3	0.3	0.8
0.3	0.3	0.3	0.3	0.3	0.8

AMRAN
INSTRUMENT TRANSFORMERS

Window 3.25", 600V, 10kV BIL Full Wave



ANSI Metering Class (60 Hz)					Continuous Thermal Rating actor 30 °C
B0.1	B0.2	B0.5	B0.	B1.8	
1.2	1.2	2.4	4.8	4.8	2.0
0.6	0.6	1.2	2.4	4.8	2.0
0.6	0.6	1.2	2.4	2.4	2.0
0.3	0.3	0.6	1.2	2.4	2.0
0.3	0.3	0.6	0.6	1.2	2.0
0.3	0.3	0.6	0.6	1.2	1.5
0.3	0.3	0.3	0.6	1.2	1.5
0.3	0.3	0.3	0.6	0.6	1.5
0.3	0.3	0.3	0.3	0.6	1.33
0.3	0.3	0.3	0.3	0.3	1.5
0.3	0.3	0.3	0.3	0.3	1.33
0.3	0.3	0.3	0.3	0.3	1.33
0.3	0.3	0.3	0.3	0.3	1.0
0.3	0.3	0.3	0.3	0.3	1.0
0.3	0.3	0.3	0.3	0.3	1.0
0.3	0.3	0.3	0.3	0.3	1.0
0.3	0.3	0.3	0.3	0.3	0.8

AMRAN
INSTRUMENT TRANSFORMERS

Window 3.5", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

THERMAL RATING
As per table

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer, accessible from either side

APPROX. WEIGHT
43 lbs.

RIN C ASS 60 H			S CONDAR INDIN R SISTANC (Ω @75° C)	CONTIN O S TH RMA RATIN ACTOR	
B0.5	B0.	B1.8		@ 30°C	@ 55°C
-	-	-	0.024	2.0	2.0
4.8	4.8	-	0.036	2.0	2.0
2.4	4.8	4.8	0.047	2.0	2.0
1.2	1.2	2.4	0.071	2.0	2.0
0.6	1.2	2.4	0.0 5	2.0	2.0
0.6	0.6	1.2	0.11	2.0	2.0
0.3	0.6	1.2	0.142	2.0	2.0
0.3	0.3	0.6	0.1 0	2.0	2.0
0.3	0.3	0.3	1.237	2.0	2.0
0.3	0.3	0.3	0.385	2.0	2.0
0.3	0.3	0.3	0.448	2.0	1.5
0.3	0.3	0.3	0.478	2.0	1.5

Low Voltage Current Transformers



Model CT207

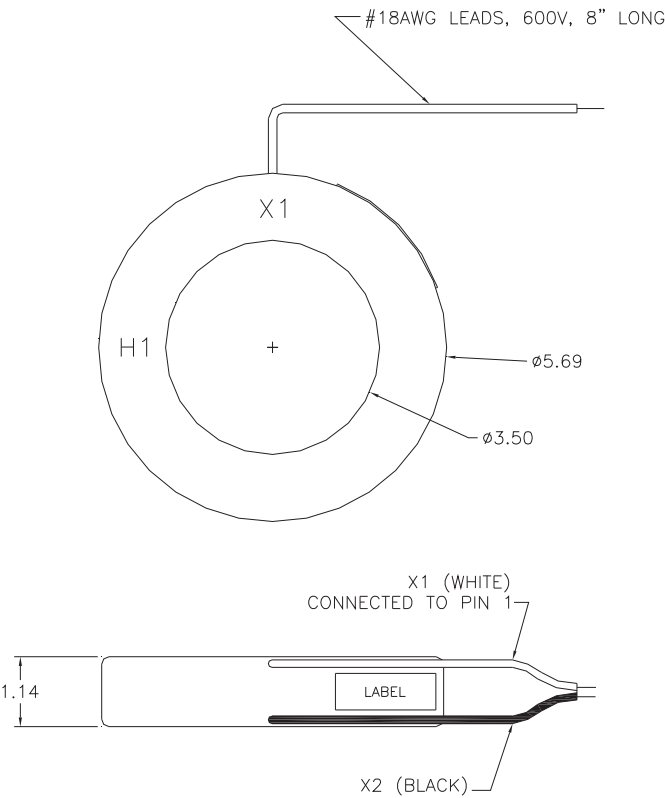
Window 3.5", 600V, 10kV BIL



INSULATION LEVEL 600 V, BIL 10kV full wave	OUTER ENCAPSULATION Plastic Cased
FREQUENCY 50-400 Hz	SECONDARY TERMINALS 16AWG lead wire, 24" long

C A T A L O G N O T E	C U R R E N T R A T I O	A C C U R A C Y 60 H Z		T H E R M A L R A T I N G A M P E R E S 30 C
		±%	B R N (A)	
CT207-301	300:5	1.5	2.0	1.33
CT207- 01	00:5	1.0	2.0	1.33
CT207-501	500:5	1.0	.0	1.33
CT207-601	600:5	1.0	6.0	1.33
CT207- 01	00:5	1.0	10	1.33
CT207-102	1000:5	1.0	12	1.33
CT207-122	1200:5	1.0	20	1.33
CT207-152	1500:5	1.0	15	1.33
CT207-162	1600:5	1.0	15	1.33
CT207-202	2000:5	1.0	12	1.33
CT207-252	2500:5	1.0	15	1.0
CT207-302	3000:5	1.0	25	1.0
CT207- 02	000:5	1.0	5	1.0

DIMENSIONS: All dimensions are in inches.



AMRAN
INSTRUMENT TRANSFORMERS

Window 4.0", 600V, 10kV BIL Full Wave



Amran N	Ra io	ANSI Rela Class	ANSI Me erin Acc		
			B0.1	B0.2	B0.5
CT236-101	100/5	-	2.4	2.4	4.8
CT236-201	200/5	C10	0.6	0.6	1.2
CT236-301	300/5	C10	0.3	0.3	0.6
CT236-401	400/5	C20	0.3	0.3	0.6
CT236-501	500/5	C20	0.3	0.3	0.6
CT236-601	600/5	C20	0.3	0.3	0.3
CT236-801	800/5	C20	0.3	0.3	0.3
CT236-102	1000/5	C50	0.3	0.3	0.3
CT236-122	1200/5	C20	0.3	0.3	0.3
CT236-152	1500/5	C50	0.3	0.3	0.3
CT236-162	1600/5	C50	0.3	0.3	0.3
CT236-202	2000/5	C50	0.3	0.3	0.3
CT236-252	2500/5	C50	0.3	0.3	0.3
CT236-302	3000/5	C50	0.3	0.3	0.3
CT236-402	4000/5	C50	0.3	0.3	0.3

[illegible]

Accuracy @ 60Hz		Thermal Rating factor	
B0.9	B1.8	@ 30C	@ 55C
-	-	2	1.5
2.4	-	2	1.5
1.2	-	2	1.5
0.6	1.2	2	1.5
0.6	1.2	2	1.5
0.6	0.6	2	1.5
0.3	0.6	1.5	1.33
0.3	0.3	1.5	1.33
0.3	0.3	1.5	1.33
0.3	0.3	1.33	1
0.3	0.3	1.33	1
0.3	0.3	1	0.8
0.3	0.3	1	0.8
0.3	0.3	1	0.8
0.3	0.3	1	0.8

Low Voltage Current Transformers



Model CT209

Window 4.25", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 170RL

INSULATION LEVEL
600 V; BIL 10kV full wave

RE-ENCLOSURE
50-400 Hz.

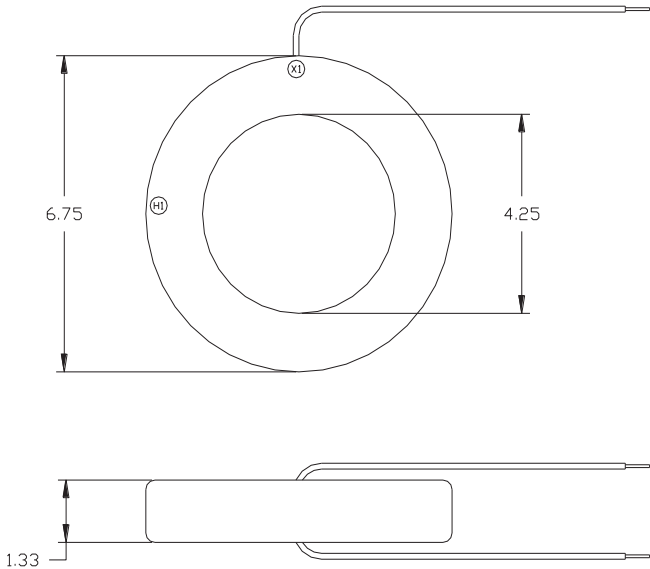
RATING
See table.

OPERATING CLASSIFICATION
Plastic Cased

SECONDARY LEADS
Flexible leads UL 1015, 16 AWG, 24" long

WEIGHT
2.5 lbs.

DIMENSIONS: All dimensions are in inches.



Catalog Number	Current Ratio	VA or 1% Class	ANSI Meter	
			B0.1	B0.2
CT209-201	200:5	5.0	0.6	1.2
CT209-251	250:5	5.0	0.6	0.6
CT209-301	300:5	12.5	0.6	0.6
CT209-401	400:5	25.0	0.3	0.3
CT209-501	500:5	25.0	0.3	0.3
CT209-601	600:5	25.0	0.3	0.3
CT209-751	750:5	40.0	0.3	0.3
CT209-801	800:5	50.0	0.3	0.3
CT209-102	1000:5	75.0	0.3	0.3
CT209-122	1200:5	100.0	0.3	0.3
CT209-152	1500:5	80.0	0.3	0.3
CT209-162	1600:5	90.0	0.3	0.3
CT209-202	2000:5	100.0	0.3	0.3
CT209-252	2500:5	130.0	0.3	0.3
CT209-302	3000:5	160.0	0.3	0.3
CT209-352	3500:5	190.0	0.3	0.3
CT209-402	4000:5	200.0	0.3	0.3

Accuracy Class a 60Hz			Thermal Rating in ac or @ 30C
B0.5	B0.9	B1.8	
2.4	-	-	2.0
1.2	2.4	-	2.0
1.2	2.4	-	2.0
0.6	1.2	2.4	2.0
0.6	1.2	1.2	2.0
0.6	0.6	1.2	2.0
0.3	0.6	0.6	2.0
0.3	0.6	0.6	2.0
0.3	0.6	0.6	1.33
0.3	0.3	0.6	1.33
0.3	0.3	0.6	1.33
0.3	0.3	0.6	1.33
0.3	0.3	0.3	1.0
0.3	0.3	0.3	1.0
0.3	0.3	0.6	1.0
0.3	0.3	0.6	1.0
0.3	0.3	0.6	1.0

Low Voltage Current Transformers



Model CT221

Window 4.25", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

THERMAL RATING
200 5-4000 5 - 1.00 @ 30 deg. C ambient

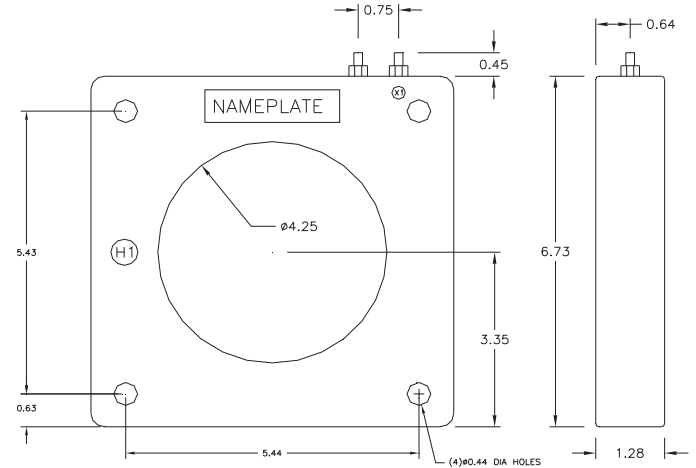
OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw -32 with one flat washer and lock washer

APPROX. WEIGHT
3 lbs.

Equivalent to GE-ITI MODEL 1705HT, 19SHT and ABB MODEL SCE

DIMENSIONS: All dimensions are in inches.



C A T A L O G N O M B E R	C U R R E N T R A T I O	A C C U R A C Y	
		B0.1	B0.2
CT221-201	200:5	1.2	1.2
CT221-251	250:5	1.2	1.2
CT221-301	300:5	0.6	0.6
CT221- 01	00:5	0.6	0.6
CT221-501	500:5	0.3	0.3
CT221-601	600:5	0.3	0.3
CT221-751	750:5	0.3	0.3
CT221- 01	00:5	0.3	0.3
CT221-102	1000:5	0.3	0.3
CT221-122	1200:5	0.3	0.3
CT221-152	1500:5	0.3	0.3
CT221-162	1600:5	0.3	0.3
CT221-202	2000:5	0.3	0.3
CT221-252	2500:5	0.3	0.3
CT221-302	3000:5	0.3	0.3
CT221-352	3500:5	0.3	0.3
CT221- 02	000:5	0.3	0.3

R I N C A S S 60 H			T H R M A R A T I N A C T O R 30 C
B0.5	B0.	B1.8	
-	-	-	1.33
-	-	-	1.33
1.2	2.4	-	1.33
1.2	1.2	2.4	1.33
0.6	1.2	2.4	1.33
0.6	0.6	1.2	1.33
0.3	0.3	0.6	1.33
0.3	0.3	0.6	1.33
0.3	0.3	0.6	1.33
0.3	0.3	0.6	1.33
0.3	0.3	0.6	1.33
0.3	0.3	0.3	1.33
0.3	0.3	0.3	1.33
0.3	0.3	0.3	1.0
0.3	0.3	0.3	1.0
0.3	0.3	0.3	1.0

Low Voltage Current Transformers

Model CT217

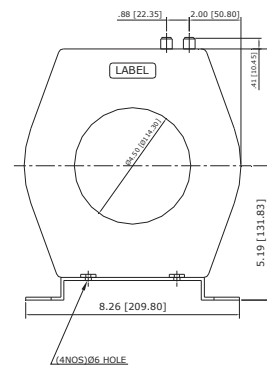
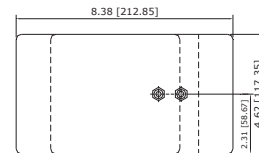
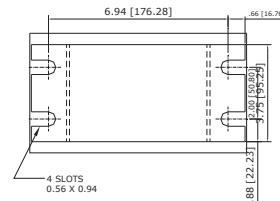
Window 4.5", 600V, 10kV BIL



Equivalent to GE-ITI MODEL204

INSULATION LEVEL 600 V, BIL 10kV full wave
FREQUENCY 50-400 Hz
THERMAL RATING As per table
OUTER ENCAPSULATION Plastic Cased
SECONDARY TERMINALS Brass screw 10-32 with one flat washer and lock washer
APPROX. WEIGHT 35 lbs.

DIMENSIONS: All dimensions are in inches [mm]



10 - 32 U.N.F
TERMINAL

C A T A L O G N O M B E R	C U R R E N T R A T I O	R A T I O C A C A (6 0 H)	A N I T R I N C A		
			B0.1	B0.2	B0.5
CT217-101	100:5	C20	1.2	2.	2.
CT217-151	150:5	C20	0.6	0.6	1.2
CT217-201	200:5	C20	0.3	0.6	1.2
CT217-251	250:5	C20	0.3	0.3	0.6
CT217-301	300:5	C50	0.3	0.3	0.3
CT217- 01	00:5	C50	0.3	0.3	0.3
CT217-501	500:5	C100	0.3	0.3	0.3
CT217-601	600:5	C100	0.3	0.3	0.3
CT217-751	750:5	C200	0.3	0.3	0.3
CT217- 01	00:5	C200	0.3	0.3	0.3
CT217-102	1000:5	C200	0.3	0.3	0.3

S S 60 H		S E C O N D A R Y I N D I C A T O R R E S I S T A N C E (Ω @ 75° C)	C O N T I N U O U S T H E R M A L R A T I N G A C T O R	
B0.	B1.8		@ 30°C	@ 55°C
4.8	-	0.043	2.0	2.0
2.4	4.8	0.065	2.0	2.0
1.2	2.4	0.087	2.0	2.0
1.2	1.2	0.10	2.0	2.0
0.6	1.2	0.130	2.0	2.0
0.6	0.6	0.174	2.0	2.0
0.3	0.6	0.217	2.0	2.0
0.3	0.3	0.261	2.0	2.0
0.3	0.3	0.326	2.0	1.5
0.3	0.3	0.348	2.0	1.5
0.3	0.3	0.435	2.0	1.5

AMRAN
INSTRUMENT TRANSFORMERS

Window 4.88", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

THERMAL RATING
As per table

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer, accessible from either side

APPROX. WEIGHT
34 lbs.

DIMENSIONS:

All dimensions are in inches [mm]

Technical drawing of a 10-32 U.N.F. terminal. The drawing includes four views: top, side, front, and rear. Dimensions are provided in inches and millimeters.

Top View Dimensions:

- Overall width: 6.94 [176.28]
- Overall height: .66 [16.76]
- Slot width: 0.56 X 0.94
- Slot depth: 4 SLOTS
- Distance from center to slot edge: 2.31 [58.67]
- Distance from center to slot edge: 4.62 [117.35]

Side View Dimensions:

- Overall width: 8.38 [212.85]
- Overall height: 4.62 [117.35]
- Distance from center to slot edge: 2.31 [58.67]

Front View Dimensions:

- Overall width: 8.26 [209.80]
- Overall height: 5.19 [131.83]
- Distance from center to slot edge: 4.10 [104.05]
- Distance from center to slot edge: 5.71 [144.63]
- Distance from center to slot edge: 8.48 [215.85]
- Distance from center to slot edge: 8.26 [209.80]

Rear View Dimensions:

- Overall width: 8.26 [209.80]
- Overall height: 5.19 [131.83]
- Distance from center to slot edge: 4.10 [104.05]
- Distance from center to slot edge: 5.71 [144.63]
- Distance from center to slot edge: 8.48 [215.85]
- Distance from center to slot edge: 8.26 [209.80]

Other Dimensions:

- Distance from center to slot edge: .88 [22.35]
- Distance from center to slot edge: 2.00 [50.80]
- Distance from center to slot edge: 10 - 32 U.N.F. TERMINAL

RIN C ASS 60 H			S CONDAR INDIN R SISTANC (Ω @75° C)	CONTIN O S TH RMA RATIN ACTOR	
B0.5	B0.	B1.8		@ 30°C	@ 55°C
4.8	4.8	-	0.042	2.0	2.0
2.4	2.4	4.8	0.063	2.0	2.0
1.2	1.2	2.4	0.084	2.0	2.0
0.6	1.2	2.4	0.105	2.0	2.0
0.6	0.6	1.2	0.126	2.0	2.0
0.3	0.6	0.6	0.168	2.0	2.0
0.3	0.6	0.6	0.211	2.0	2.0
0.3	0.3	0.6	0.253	2.0	2.0
0.3	0.3	0.3	0.316	2.0	1.5
0.3	0.3	0.3	0.337	2.0	1.5
0.3	0.3	0.3	0.421	2.0	1.5

AMRAN
INSTRUMENT TRANSFORMERS

Window 5.25", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

THERMAL RATING
50 5-4000 S - 1.33 @ 30 deg. C ambient

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

APPROX. WEIGHT
26 lbs.

RIN C ASS 60 H			S CONDAR INDIN R SISTANC (Ω@75° C)	CONTIN O S TH RMA RATIN ACTOR	
B0.5	B0.	B1.8		@ 30°C	@ 55°C
1.2	2.4	-	0.064	2.0	2.0
1.2	1.2	2.4	0.081	2.0	2.0
0.6	1.2	1.2	0.0 7	2.0	2.0
0.3	0.6	1.2	0.12	2.0	2.0
0.3	0.3	0.6	1.161	2.0	2.0
0.3	0.3	0.6	0.1 3	2.0	2.0
0.3	0.3	0.3	1.242	2.0	2.0
0.3	0.3	0.3	0.324	2.0	2.0
0.3	0.3	0.3	0.405	2.0	1.5
0.3	0.3	0.3	0.485	2.0	1.5
0.3	0.3	0.3	0. 61	1.3	1.0
0.3	0.3	0.3	1.2 2	1.3	1.0
0.3	0.3	0.3	1.1 4	1.0	0.8
0.3	0.3	0.3	1.4 3	1.0	0.8
0.3	0.3	0.3	1.7 1	1.0	0.6
0.3	0.3	0.3	2.214	1.0	0.6
0.3	0.3	0.3	3.472	0.8	0.3

Low Voltage Current Transformers

Model CT237

Window 5.75", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 135, 135MR and ABB MODEL SCO

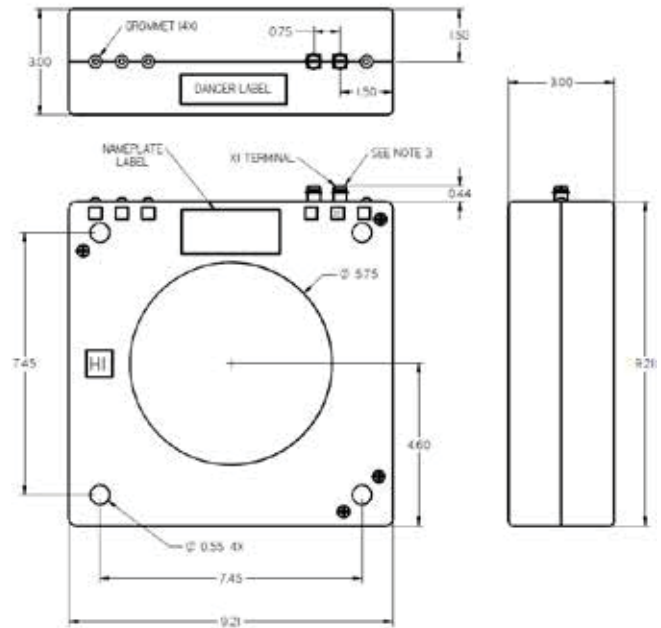
INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and one lock washer.

DIMENSIONS: All dimensions are in inches



CATALOG NUMBER	CURRENT RATIO	ANSI Relay Class	TR @ 30C
CT237-500	50/5	-	2.0
CT237-750	75/5	-	2.0
CT237-101	100/5	C10	2.0
CT237-151	150/5	C10	2.0
CT237-201	200/5	C20	2.0
CT237-251	250/5	C20	2.0
CT237-301	300/5	C20	2.0
CT237-401	400/5	C20	2.0
CT237-501	500/5	C50	2.0
CT237-601	600/5	C50	2.0
CT237-751	750/5	C50	2.0
CT237-801	800/5	C50	2.0
CT237-102	1000/5	C100	1.5
CT237-122	1200/5	C100	1.5
CT237-152	1500/5	C100	1.5
CT237-162	1600/5	C100	1.5
CT237-202	2000/5	C100	1.33
CT237-252	2500/5	C200	1.0
CT237-302	3000/5	C200	1.0
CT237-322	3200/5	C200	1.0
CT237-352	3500/5	C200	1.0
CT237-402	4000/5	C200	1.0
CT237-502	5000/5	C200	1.0

ANSI METERING CLASS @ 60 HZ					indin Res. @ 75C
B0.1	B0.2	B0.5	B0.9	B1.8	
4.8	-	-	-	-	0.0151
2.4	4.8	-	-	-	0.0176
1.2	2.4	4.8	-	-	0.0410
0.6	1.2	2.4	4.8	-	0.031
0.6	0.6	1.2	2.4	4.8	0.0497
0.6	0.6	1.2	2.4	2.4	0.0619
0.3	0.3	0.6	1.2	2.4	0.0737
0.3	0.3	0.6	0.6	1.2	0.1232
0.3	0.3	0.3	0.6	1.2	0.1517
0.3	0.3	0.3	0.3	0.6	0.1836
0.3	0.3	0.3	0.3	0.6	0.2262
0.3	0.3	0.3	0.3	0.6	0.2427
0.3	0.3	0.3	0.3	0.3	0.3802
0.3	0.3	0.3	0.3	0.3	0.4554
0.3	0.3	0.3	0.3	0.3	0.5680
0.3	0.3	0.3	0.3	0.3	0.5491
0.3	0.3	0.3	0.3	0.3	0.6918
0.3	0.3	0.3	0.3	0.3	1.0997
0.3	0.3	0.3	0.3	0.3	1.3419
0.3	0.3	0.3	0.3	0.3	1.1709
0.3	0.3	0.3	0.3	0.3	1.2909
0.3	0.3	0.3	0.3	0.3	1.4806
0.3	0.3	0.3	0.3	0.3	1.9276

Low Voltage Current Transformers

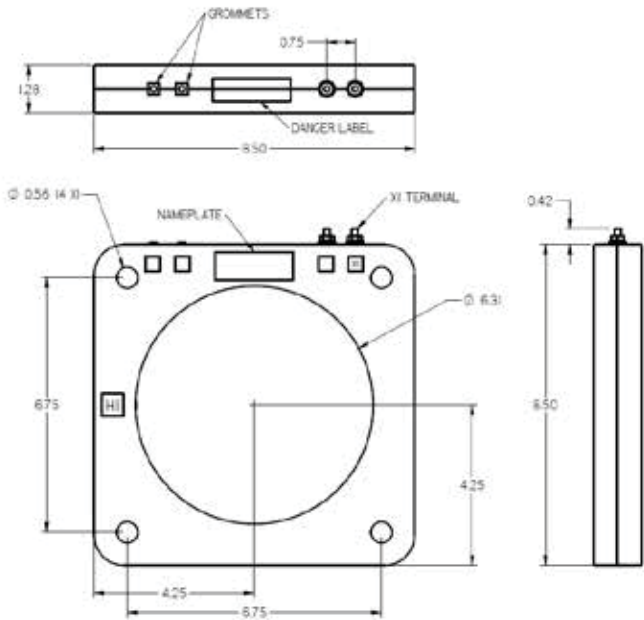


Model CT238

Window 6.31", 600V, 10kV BIL



DIMENSIONS: All dimensions are in inches



Equivalent to GE-ITI MODEL 125, 125MR and ABB MODEL SCM

CATALOG NUMBER	CURRENT RATIO	TR @ 30C
CT238-601	600:5	1.5
CT238-751	750:5	1.5
CT238-801	800:5	1.5
CT238-102	1000:5	1.5
CT238-122	1200:5	1.5
CT238-152	1500:5	1.5
CT238-162	1600:5	1.5
CT238-202	2000:5	1.5
CT238-252	2500:5	1.33
CT238-302	3000:5	1.33
CT238-352	3500:5	1.33
CT238-402	4000:5	1.0

ANSI METERING CLASS @ 60 HZ				
B0.1	B0.2	B0.5	B0.9	B1.8
0.3	0.3	1.2	1.2	2.4
0.3	0.3	0.6	1.2	2.4
0.3	0.3	0.6	1.2	2.4
0.3	0.3	0.3	0.6	1.2
0.3	0.3	0.3	0.6	1.2
0.3	0.3	0.3	0.3	0.6
0.3	0.3	0.3	0.3	0.6
0.3	0.3	0.3	0.3	0.6
0.3	0.3	0.3	0.3	0.6
0.3	0.3	0.3	0.3	0.3
0.3	0.3	0.3	0.3	0.3

Split Core Current Transformers

Model CT160

Window 0.84" x 2.16", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 613

INSULATION LEVEL
600 V, BIL 10kV full wave

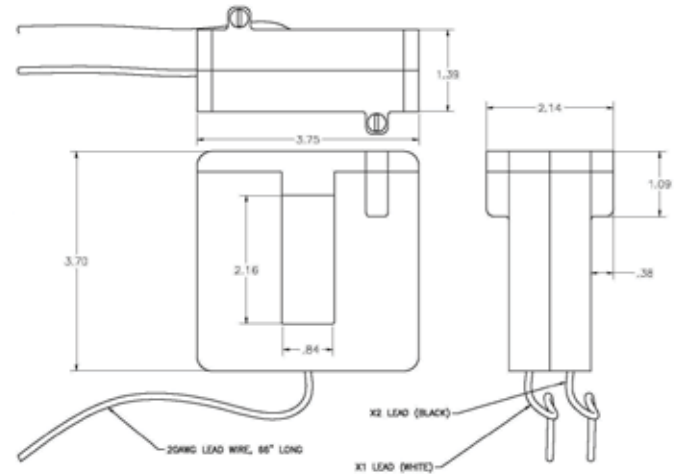
FREQUENCY
50-400 Hz

THERMAL RATING
1.33 @ 30 deg. C ambient

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
20A lead wire, 66" long

DIMENSIONS ALL DIMENSIONS ARE IN INCHES :



CATALOG NUMBER	CURRENT RATIO	ANSI METERING RATINGS @ 60 HZ	
		ACCURACY	BURDEN (VA @ U)
CT160-101	100:5	± 3%	1.0
CT160-201	200:5	± 1%	1.5
CT160-301	300:5	± 1%	2.0
CT160-401	400:5	± 1%	5.0

Model CT150

Window 0.90" x 2.16", 600V, 10kV BIL



INSULATION LEVEL
600 V; BIL 10kV full wave

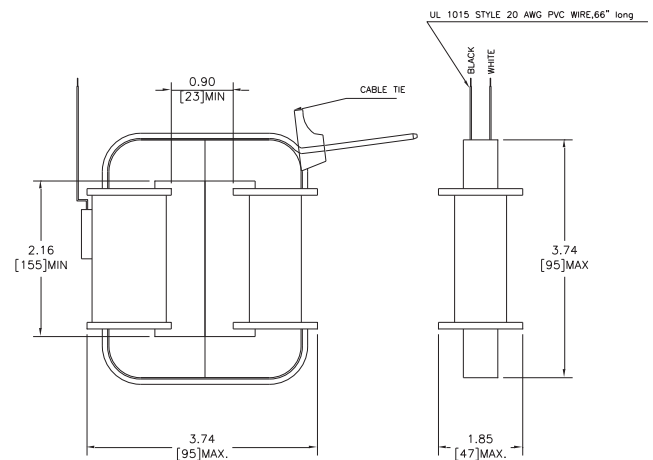
FREQUENCY
50-400 Hz.

RATING FACTOR
1.33 @ 30 deg. C ambient

SECONDARY LEADS
flexible leads UL 1015, 20 AWG, 66" long

APPROX. WEIGHT
0.5 lbs.

DIMENSIONS:



Catalog Number	Current Ratio	ANSI C 57.13 (60Hz)	
		Accuracy	Burden VA
CT150-101	100:5	± 3 %	1.0
CT150-201	200:5	± 1 %	1.5
CT150-301	300:5	± 1 %	2.0
CT150-401	400:5	± 1 %	5.0

A m [mm]

Split Core Current Transformers

Model CT170

Window 1.26" x 1.42", 600V, 10kV BIL



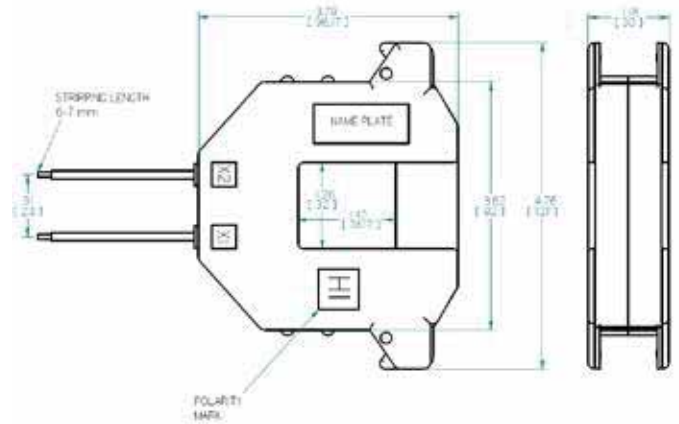
INSULATION LEVEL
600 V; BIL 10kV full wave

FREQUENCY
50-400 Hz.

SECONDARY LEADS
flexible leads L 1015, 1 A , 2" long

APPROX. WEIGHT
0.5 lbs.

All dimensions are in inches [mm]



CATALOG NUMBER	CURRENT RATIO	BURDEN VA	ACCURACY@ 50/60 Hz	THERMAL RATING @ 30 C
CT170-201	200:5	1.5	± 1 %	1.0
CT170-251	250:5	2.0	± 1 %	1.0
CT170-301	300:5	2.5	± 1 %	1.0

Model CT161

Window 1.60" x 3.42", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

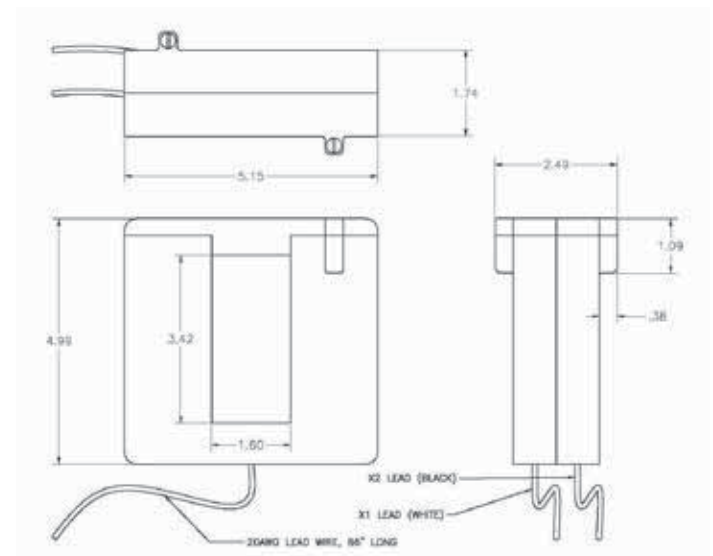
FREQUENCY
50-400 Hz

THERMAL RATING
1.33 @ 30 deg. C ambient

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
16 to 20AWG lead wire, 66" long

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



C A T A L O G N U M B E R	C U R R E N T R A T I O	A N S I M T R I N R A T I N S 60 H	
		A C C R A C	B R D N (V A P)
CT161-201	200:5	± 1.5%	1.0
CT161-251	250:5	± 1.5%	1.0
CT161-301	300:5	± 1%	1.0
CT161-401	400:5	± 1%	2.0
CT161-501	500:5	± 1%	3.0
CT161-601	600:5	± 1%	5.0
CT161-102	1000:5	± 1%	20.0
CT161-122	1200:5	± 1%	30.0

Split Core Current Transformers



Model CT151

Window 1.65" x 3.42", 600V, 10kV BIL Full Wave



INS LA ION LE EL
600 V; BIL 10kV full wave

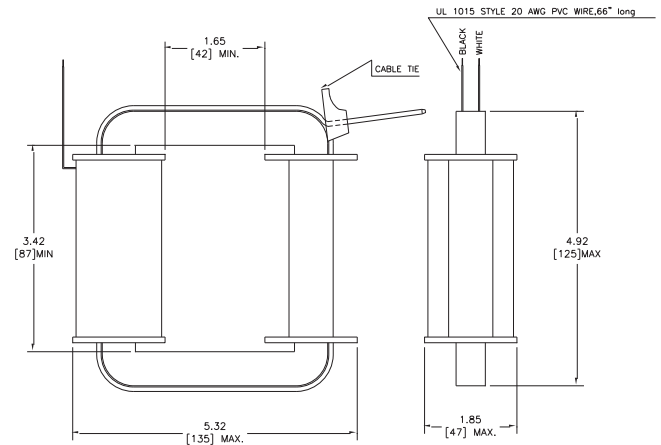
RE ENC
50-400 Hz.

RA IN AC OR
1.33 @ 30 deg. C ambient

SECONDA R LEADS
Flexible leads UL 1015, 20 AWG, 66" long

A RO EI H
0.5 lbs.

DIMENSIONS:



All dimensions are in inc es [mm]

Catalog Number	Current Ratio	ANSI C 57.13 (60Hz)	
		Accuracy	Burden VA
CT151-201	200:5	± 1.5 %	1.0
CT151-301	300:5	± 1 %	1.0
CT151-401	400:5	± 1 %	2.0
CT151-501	500:5	± 1 %	3.0
CT151-601	600:5	± 1 %	5.0
CT151-102	1000:5	± 1 %	20.0
CT151-122	1200:5	± 1 %	30.0

Model CT152

Window 2.36" x 5.70", 600V, 10kV BIL Full Wave



INS LA ION LE EL
600 V; BIL 10kV full wave

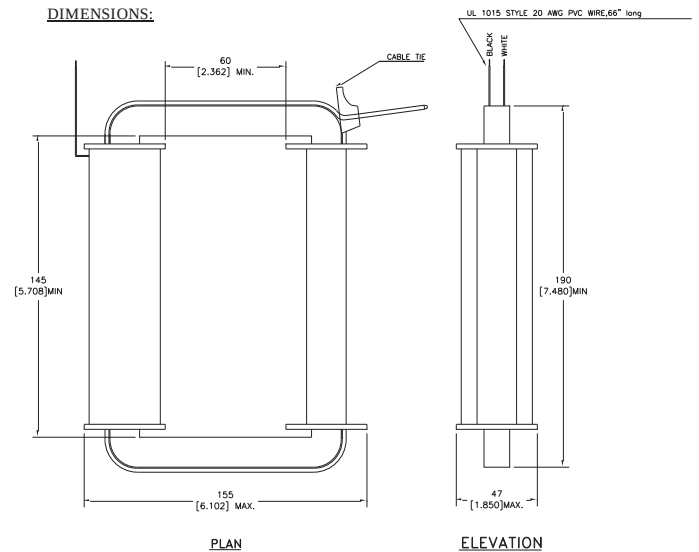
RE ENC
50-400 Hz.

RA IN AC OR
1.33 @ 30 deg. C ambient

SECONDA R LEADS
Flexible leads UL 1015, 20 AWG, 66" long

A RO EI H
0.5 lbs.

DIMENSIONS:



All dimensions are in mm inches

Catalog Number	Current Ratio	ANSI C 57.13 (60Hz)	
		Accuracy	Burden VA
CT152-601	600:5	± 1 %	2.5
CT152-801	800:5	± 1 %	5.0
CT152-102	1000:5	± 1 %	10.0
CT152-122	1200:5	± 1 %	15.0
CT152-152	1500:5	± 1 %	20.0
CT152-202	2000:5	± 1 %	40.0
CT152-252	2500:5	± 1 %	50.0
CT152-302	3000:5	± 1 %	50.0

Split Core Current Transformers

Model CT162

Window 2.40" x 5.71", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

THERMAL RATING
1.33 @ 30 deg. C ambient

OUTER ENCAPSULATION
Plastic Cased

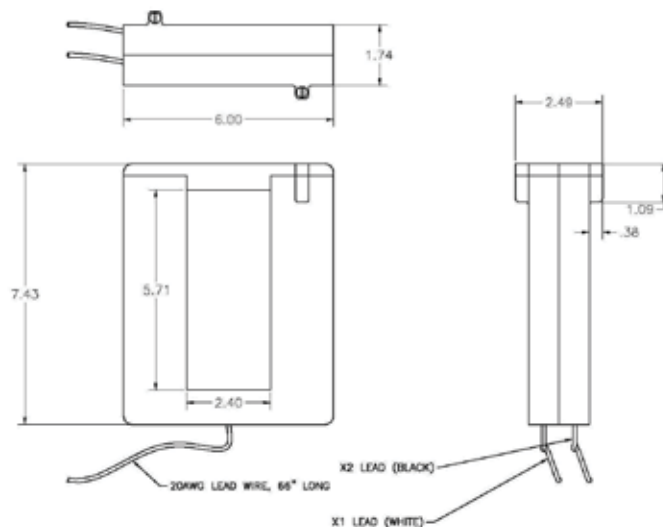
SECONDARY TERMINALS
20AWG lead wire, 66" long

Equivalent to GE-ITI MODEL 600



CATALOG NUMBER	CURRENT RATIO	ANSI METERING RATINGS @ 60 HZ	
		ACCURACY	BURDEN (VA @ U)
CT162-601	600:5	1%	2.5
CT162-801	800:5	1%	5.0
CT162-102	1000:5	1%	10.0
CT162-122	1200:5	1%	15.0
CT162-152	1500:5	1%	20.0
CT162-202	2000:5	1%	40.0
CT162-252	2500:5	1%	50.0
CT162-302	3000:5	1%	50.0

DIMENSIONS ALL DIMENSIONS ARE IN INCHES :



Model CT171

Window 2.44" x 2.89", 600V, 10kV BIL



INSULATION LEVEL
600 V; BIL 10kV full wave

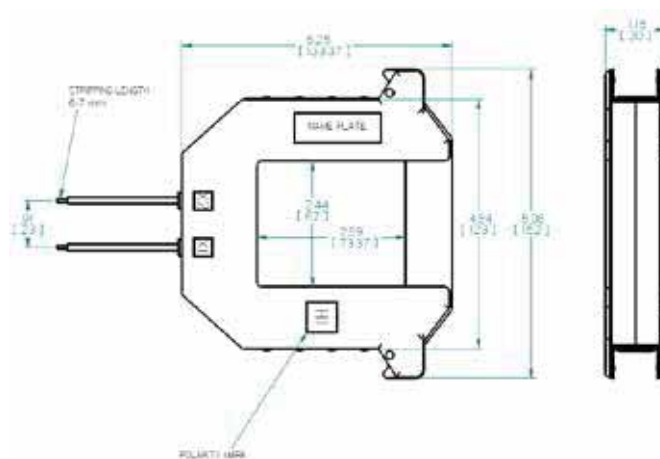
FREQUENCY
50-400 Hz.

SECONDARY LEADS
flexible leads L 1015, 1 A , 2" long

APPROX. WEIGHT
4 lbs.

CATALOG NUMBER	CURRENT RATIO	BURDEN VA	ACCURACY@ 50/60 Hz	THERMAL RATING @ 30 C
CT171-201	200:5	1.0	1.5 %	1.0
CT171-251	250:5	1.0	1.5 %	1.0
CT171-301	300:5	1.0	1 %	1.0
CT171-401	400:5	2.0	1 %	1.0
CT171-501	500:5	3.0	1 %	1.0
CT171-601	600:5	5.0	1 %	1.0
CT171-701	700:5	5.0	1 %	1.0
CT171-801	800:5	10.0	1 %	1.0
CT171-901	900:5	12.5	1 %	1.0
CT171-102	1000:5	20.0	1 %	1.0
CT171-122	1200:5	30.0	1 %	1.0

All dimensions are in inches [mm]



3 Phase Current Transformers



Model CT460

Window 1.25", 600V, 10kV BIL



INS LA ION LE EL
600 V, BIL 10kV full wave

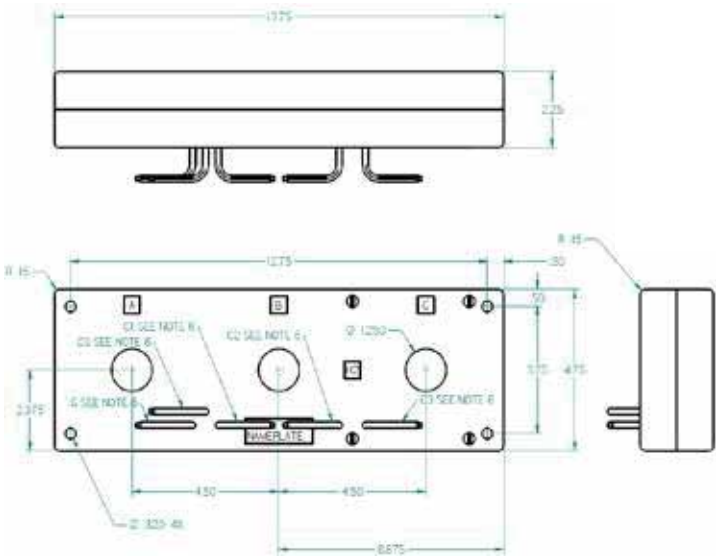
RE ENC
50-60 Hz

HERMAL RA IN
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

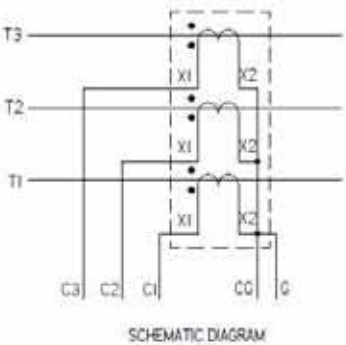
O ERENCA S LA ION
Plastic Cased

SECONDAR ERMINALS
10AWG, UL1015 leads, 108' long

DIMENSIONS: All dimensions are in inches



CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS @ 60 HZ					TR @ 30C
		B0.1	B0.2	B0.5	B0.9	B1.8	
CT460-500	50:5	1.2	2.4	-	-	-	1.0
CT460-101	100:5	0.6	1.2	2.4	-	-	1.33



SCHEMATIC DIAGRAM

AMRAN
INSTRUMENT TRANSFORMERS

Window 1.97", 600V, 10kV BIL



SECONDARY TERMINALS

Brass screw -32 with one flat washer and lock washer, accessible from either side

Technical drawing of the 1000 Series Single Phase Rectifier, showing front and side views with dimensions in inches (mm).

Front View Dimensions:

- Total Width: 1107 (281.1)
- Total Height: 25 (635.0)
- Module Spacing (between centers): 154 (39.2)
- Module Width: 225 (57.2)
- Module Height: 114 (29.1)
- Module Diameter: $\phi 1.97$ (#50.0)
- Mounting Hole Diameter: $\phi 0.42$ (#10.7)
- Mounting Hole Spacing (between centers): 2.25 (57.1)
- Mounting Hole Spacing (from edge): 2.19 (55.6)
- Mounting Hole Spacing (from edge): 3.87 (98.4)
- Mounting Hole Spacing (from edge): 3.88 (98.4)

Side View Dimensions:

- Total Depth: 46.3 (117.5)
- Module Depth: 42.5 (108.0)
- Total Height: 213 (540.1)
- Module Height: 12.13 (308.0)

Notes:

- #10-32 BRASS STUDS (6 PLACES)

C ASS 60 H			S CONDAR INDIN R SISTANC ($\Omega @ 55^{\circ} \text{C}$)
B0.5	B0.	B1.8	
-	-	-	0.0351
4.8	-	-	0.0526
2.4	4.8	-	0.0701
1.2	2.4	-	0.1051
1.2	1.2	2.4	0.1402
0.6	1.2	1.2	0.1752
0.6	0.6	1.2	0.2103
0.3	0.6	0.6	0.2804
0.3	0.3	0.6	0.3505
0.3	0.3	0.6	0.4206
0.3	0.3	0.3	0.5128
0.3	0.3	0.3	0.6410

3 Phase Current Transformers



Model CT461

Window 2.00", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 3P41

INS LA ION LE EL
600 V, BIL 10kV full wave

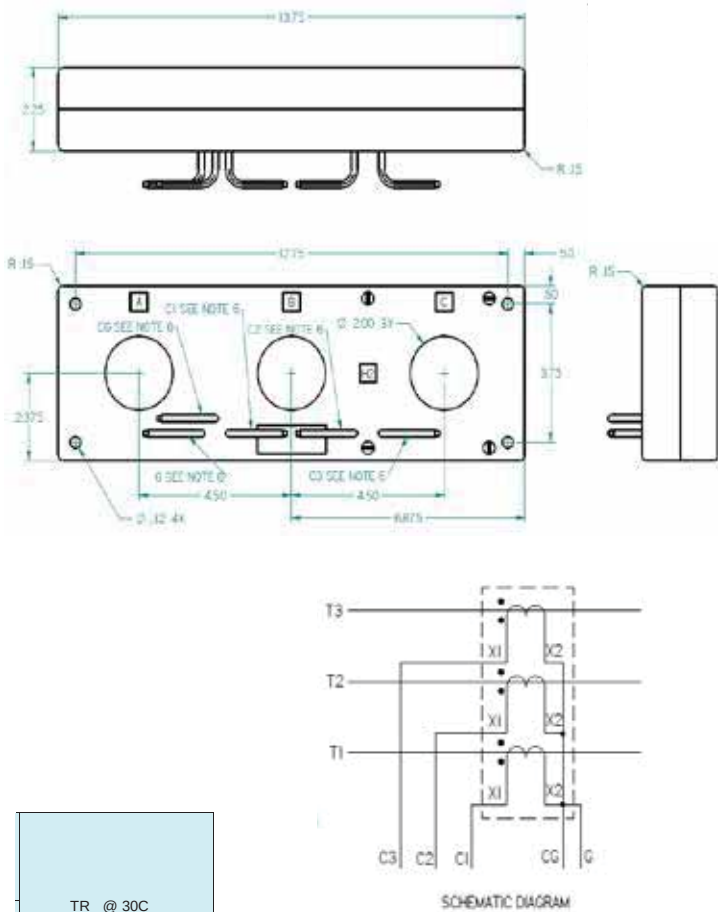
RE ENC
50-60 Hz

HERMAL RA IN
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

O ERENCA S LA ION
Plastic Cased

SECONDAR ERMINALS
10AWG, UL1015 leads, 108' long

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS @ 60 HZ				
		B0.1	B0.2	B0.5	B0.9	B1.8
CT461-151	150:5	0.6	1.2	2.4	-	-
CT461-201	200:5	0.6	0.6	1.2	2.4	-
CT461-251	250:5	0.3	0.3	1.2	2.4	-
CT461-601	600:5	0.3	0.3	0.3	0.6	0.6
CT461-801	800:5	0.3	0.3	0.3	0.3	0.3
CT461-102	1000:5	0.3	0.3	0.3	0.3	0.3

TR @ 30C
1.33
1.33
1.33
1.33
1.33
1.33

3 Phase Current Transformers



Model CT462

Window 2.50", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 3P42

INS LA ION LE EL
600 V, BIL 10kV full wave

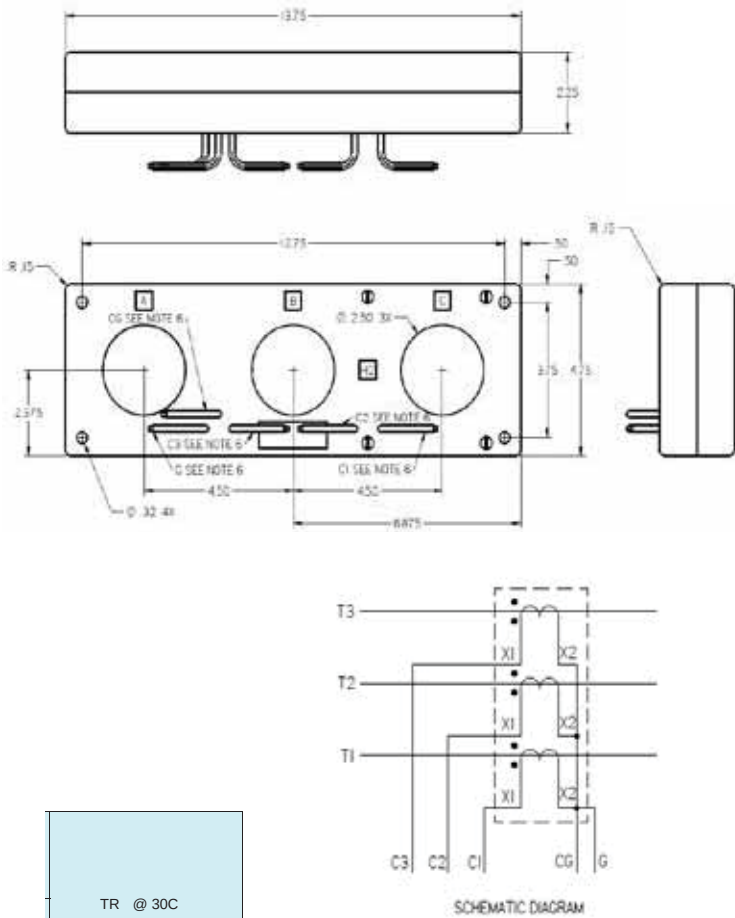
RE ENC
50-60 Hz

HERMAL RA IN
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

O ERENCA S LA ION
Plastic Cased

SECONDAR ERMINALS
10AWG, UL1015 leads, 108" long

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS @ 60 HZ				
		B0.1	B0.2	B0.5	B0.9	B1.8
CT462-301	300:5	0.6	1.2	2.4	-	-
CT462-401	200:5	0.6	0.6	1.2	2.4	-
CT462-501	250:5	0.3	0.3	1.2	2.4	-
CT462-601	600:5	0.3	0.3	0.3	0.6	0.6
CT462-801	800:5	0.3	0.3	0.3	0.3	0.3
CT462-102	1000:5	0.3	0.3	0.3	0.3	0.3

TR @ 30C
1.33
1.33
1.33
1.33
1.33
1.33

Medium Voltage Switchgear Current Transformers

Model CT108

Window 5.08", 600V, 10kV BIL



UL **US E**

SP

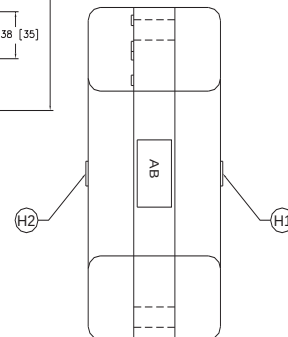
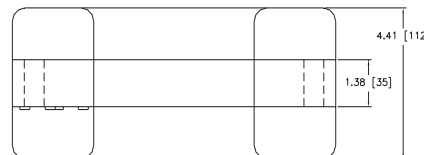
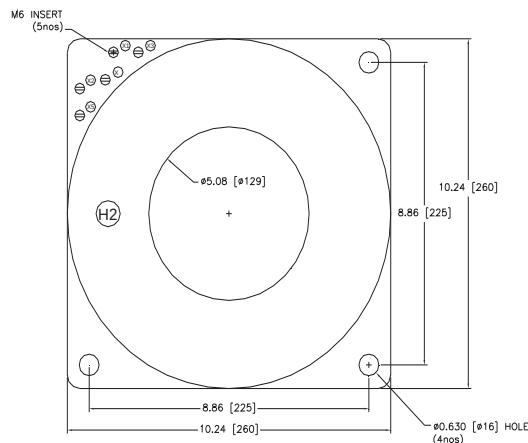
INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer, accessible from either side

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	ANSI RATIO CLASS (60Hz)	TH R A RATING FACTOR (@ 30°C)
CT108-500	50:5	C10	2.0
CT108-750	75:5	C10	2.0
CT108-101	100:5	C20	2.0
CT108-151	150:5	C20	2.0
CT108-201	200:5	C50	2.0
CT108-251	250:5	C50	2.0
CT108-301	300:5	C100	2.0
CT108-401	400:5	C100	2.0
CT108-501	500:5	C150	2.0
CT108-601	600:5	C200	2.0
CT108-751	750:5	C200	2.0
CT108-801	800:5	C200	2.0
CT108-102	1000:5	C200	2.0
CT108-122	1200:5	C400	2.0
CT108-152	1500:5	C400	2.0
CT108-202	2000:5	C400	2.0
CT108-302	3000:5	C400	2.0
CT108-322	3200:5	C400	2.0
CT108-352	3500:5	C400	2.0
CT108-402	4000:5	C400	1.0

MULTI RATIO OPTION

Catalog	Current Ratio	ANSI Relay Accuracy	TH R A RATING FACTOR (@ 30°C)
CT10 -601 R	600:5 R	C200	2.0
CT10 -122 R	1200:5 R	C 00	2.0
CT10 -202 R	2000:5 R	C 00	2.0
CT10 -302 R	3000:5 R	C 00	2.0
CT10 - 02 R	000:5 R	C 00	1.0

Turns				
R	X1-X2	X2-X3	X3-X	X -X5
600:5	20	10	50	0
1200:5	0	20	100	0
2000:5	0	160	60	100
3000:5	200	2 0	60	100
000:5	100	300	200	200

Medium Voltage Switchgear Current Transformers



Model CT109

Window 5.08", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

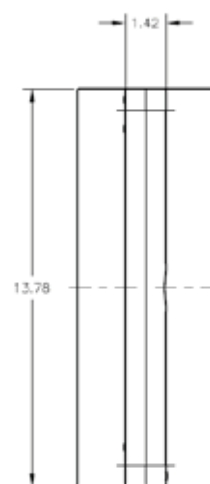
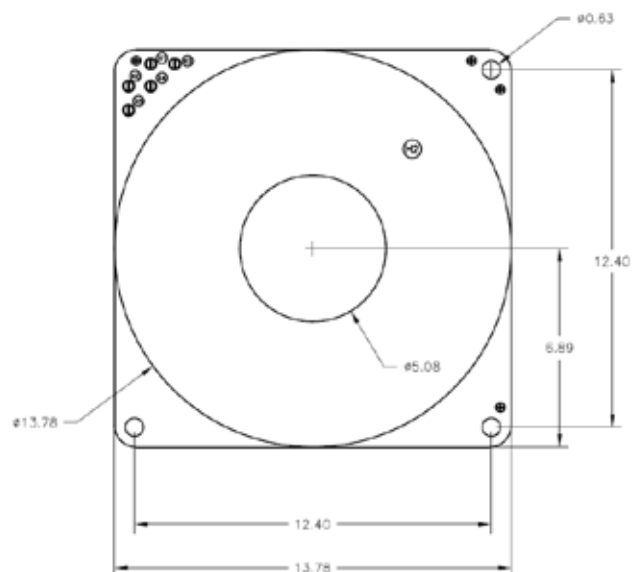
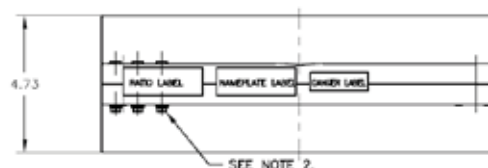
OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer, accessible from either side

CATALOG NUMBER	CURRENT RATIO	ANSI RELAY (@ 60 HZ)	THERMAL RATING ACTOR (@ 30°C)	THERMAL RATING ACTOR (@ 55°C)
CT109-601MR	600:5	C400	1.33	1.0
CT109-122MR	1200:5	C800	1.33	1.0
CT109-202MR	2000:5	C800	1.33	1.0
CT109-302MR	3000:5	C800	1.33	1.0
CT109-402MR	4000:5	C800	1.33	1.0

Turns				
MR	X1-X2	X2-X3	X3-X4	X4-X5
600:5	20	10	50	40
1200:5	40	20	100	80
2000:5	80	160	60	100
3000:5	200	240	60	100
4000:5	100	300	200	200

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



Medium Voltage Switchgear Current Transformers



Model CT105

Window 5.9", 600V, 10kV BIL



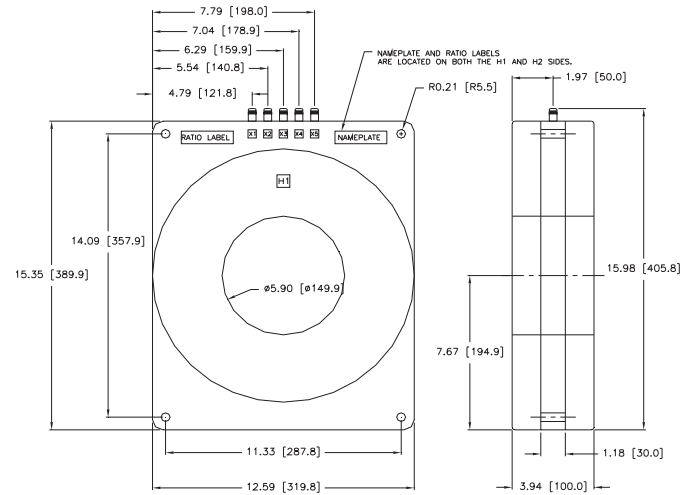
INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

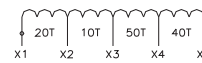
OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

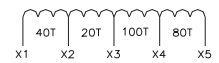
DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



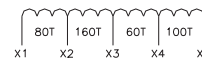
ANSI 600:5 TAPS



ANSI 1200:5 TAPS



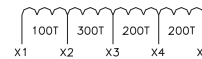
ANSI 2000:5 TAPS



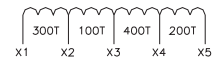
ANSI 3000:5 TAPS



ANSI 4000:5 TAPS



ANSI 5000:5 TAPS



C A T A L O G N O M B E R	C U R R E N T R A T I O	ANSI M T R I N C A S		
		B0.1	B0.2	B0.5
CT105-601MR	600:5	0.3	0.3	0.3
CT105-601MR-01	600:5	0.3	0.3	0.3
CT105-122MR	1200:5	0.3	0.3	0.3
CT105-122MR-01	1200:5	0.3	0.3	0.3
CT105-202MR	2000:5	0.3	0.3	0.3
CT105-202MR-02	2000:5	0.3	0.3	0.3
CT105-302MR	3000:5	0.3	0.3	0.3
CT105-302MR-01	3000:5	0.3	0.3	0.3
CT105-402MR	4000:5	0.3	0.3	0.3
CT105-402MR-01	4000:5	0.3	0.3	0.3

60 H		AN I R A (60 H)	T H R A R A T I O N F A C T O R (@ 30 ° C)
B0.	B1.		
0.3	0.6	C100	1.5
0.3	0.6	C200	1.5
0.3	0.3	C200	1.33
0.3	0.3	C 00	1.5
0.3	0.3	C 00	1.33
0.3	0.3	C 00	2.0
0.3	0.3	C 00	1.33
0.3	0.3	C 00	1.33
0.3	0.3	C 00	1.33

Medium Voltage Switchgear Current Transformers



Model CT101

Window 6.5", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

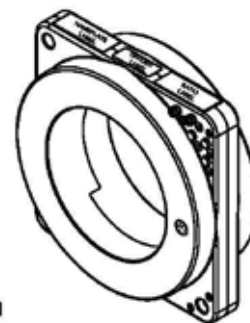
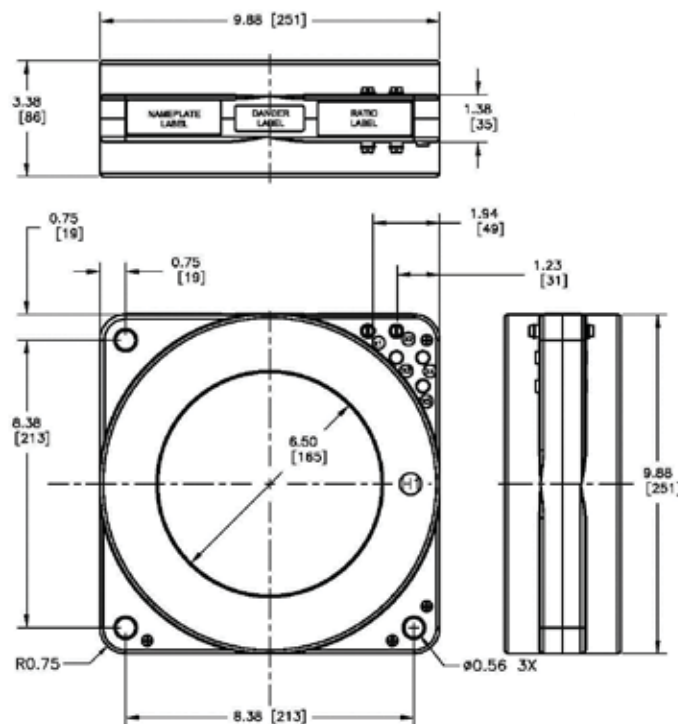
THERMAL RATING
50:5-3000:5 - 2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient
3200:5-4000:5 - 1.5 @ 30 deg. C ambient
1.33 @ 55 deg. C ambient

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer, accessible from either side

APPROX. WEIGHT
30 lbs.

DIMENSIONS: INCHES



Equivalent to GE-ITI MODEL 780 and ABB MODEL SCV

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS @ 60 HZ				
			BO.1	BO.2	BO.5	BO.9	B1.8
CT101-500	50:5	-	4.8	-	-	-	-
CT101-750	75:5	C 10	4.8	4.8	-	-	-
CT101-101	100:5	C 10	2.4	2.4	4.8	-	-
CT101-151	150:5	C 20	1.2	1.2	2.4	4.8	4.8
CT101-201	200:5	C 20	0.6	1.2	2.4	2.4	4.8
CT101-251	250:5	C 20	0.6	0.6	1.2	1.2	2.4
CT101-301	300:5	C 20	0.3	0.6	1.2	1.2	2.4
CT101-401	400:5	C 50	0.3	0.3	0.6	1.2	2.4
CT101-501	500:5	C 50	0.3	0.3	0.3	0.6	1.2
CT101-601	600:5	C100	0.3	0.3	0.3	0.6	0.6
CT101-701	700:5	C100	0.3	0.3	0.3	0.6	0.6
CT101-751	750:5	C100	0.3	0.3	0.3	0.3	0.3
CT101-801	800:5	C100	0.3	0.3	0.3	0.3	0.3
CT101-102	1000:5	C100	0.3	0.3	0.3	0.3	0.3
CT101-122	1200:5	C200	0.15	0.15	0.15	0.15	0.3
CT101-152	1500:5	C200	0.15	0.15	0.15	0.15	0.15
CT101-162	1600:5	C200	0.15	0.15	0.15	0.15	0.15
CT101-202	2000:5	C200	0.15	0.15	0.15	0.15	0.15
CT101-252	2500:5	C200	0.15	0.15	0.15	0.15	0.15
CT101-302	3000:5	C200	0.15	0.15	0.15	0.15	0.15
CT101-322	3200:5	C200	0.15	0.15	0.15	0.15	0.15
CT101-352	3500:5	C200	0.15	0.15	0.15	0.15	0.15
CT101-402	4000:5	C200	0.15	0.15	0.15	0.15	0.15

Medium Voltage Switchgear Current Transformers

Model CT101I (IEC)

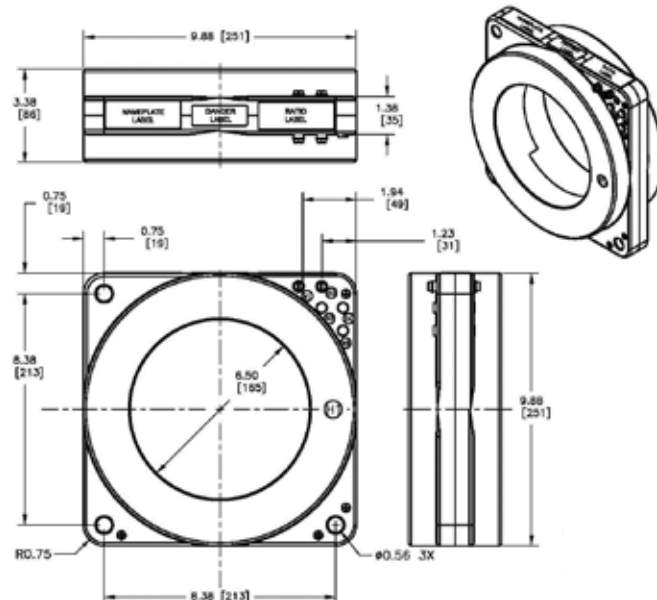
Window 6.5", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 780I

INSULATION LEVEL
600 V, BIL 10kV full wave
FREQUENCY
50-400 Hz
THERMAL RATING
50:1-1200:1 - 2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient
1500:1-4000:1 - 1.5 @ 30 deg. C ambient
1.33 @ 55 deg. C ambient
OUTER ENCAPSULATION
Plastic Cased
SECONDARY TERMINALS
Brass screw 10-32 with one flat washer, accessible
from either side
APPROX. WEIGHT
30 lbs.

DIMENSIONS: INCHES



Amran N	Ratio	TR @ 30C	TR @ 55C	IEC protection Class		
				Burden VA		
				2.5	5	10
CT101I-500-1	50/1	2	1.5	10	10	
CT101I-750-1	75/1	2	1.5	5	15	10
CT101I-101-1	100/1	2	1.5	5	20	10
CT101I-151-1	150/1	2	1.5	5	30	10
CT101I-201-1	200/1	2	1.5	5	30	10
CT101I-251-1	250/1	2	1.5	5	30	10
CT101I-301-1	300/1	2	1.5	5	30	10
CT101I-401-1	400/1	2	1.5	5	30	10
CT101I-501-1	500/1	2	1.5	5	30	10
CT101I-601-1	600/1	2	1.5	5	30	10
CT101I-751-1	750/1	2	1.5	5	30	10
CT101I-801-1	800/1	2	1.5	5	30	10
CT101I-102-1	1000/1	2	1.5	5	30	10
CT101I-122-1	1200/1	2	1.5	5	30	10
CT101I-152-1	1500/1	1.5	1.33	5	30	5
CT101I-162-1	1600/1	1.5	1.33	5	30	5
CT101I-202-1	2000/1	1.5	1.33	5	30	5
CT101I-252-1	2500/1	1.5	1.33	5	30	10
CT101I-302-1	3000/1	1.5	1.33	5	30	5
CT101I-322-1	3200/1	1.5	1.33	5	30	5
CT101I-352-1	3500/1	1.5	1.33	5	30	5
CT101I-402-1	4000/1	1.5	1.33	5	30	5

@ 50/60 Hz		IEC Measurement Class @ 50/60 Hz						Inductance Res. @ 75c	Impedance (1 sec) A
		Burden VA							
15	30	2.5	5	10	15	30			
		3.0					0.11	11	
		3.0	3.0	5.0			0.2	14	
		3.0	3.0	5.0	5.0		0.29	18	
10	5	0.5	1.0	3.0	3.0	5.0	0.45	25	
10	5	0.5	0.5	1.0	3.0	3.0	0.56	36	
10	10	0.5	0.5	0.5	1.0	3.0	0.73	47	
5	10	0.5	0.5	0.5	0.5	1.0	1.35	35	
10	15	0.2	0.2	0.5	0.5	1.0	1.82	47	
10	20	0.2	0.2	0.2	0.5	0.5	2.1	58	
10	15	0.2	0.2	0.2	0.5	0.5	1.45	65	
10	20	0.2	0.2	0.2	0.2	0.5	2.75	65	
10	20	0.2	0.2	0.2	0.2	0.5	2.98	65	
10	20	0.2	0.2	0.2	0.2	0.2	6.3	65	
10	25	0.2	0.2	0.2	0.2	0.2	7.65	65	
10	30	0.2	0.2	0.2	0.2	0.2	9.54	65	
10	30	0.2	0.2	0.2	0.2	0.2	10.2	65	
10	30	0.2	0.2	0.2	0.2	0.2	12.25	65	
10	25	0.2	0.2	0.2	0.2	0.2	11.75	65	
10	30	0.2	0.2	0.2	0.2	0.2	14.32	65	
10	30	0.2	0.2	0.2	0.2	0.2	15.55	65	
10	30	0.2	0.2	0.2	0.2	0.2	16.95	65	
10	30	0.2	0.2	0.2	0.2	0.2	19.8	65	

AMRAN
INSTRUMENT TRANSFORMERS

Window 6.5", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 781 and ABB MODEL SCV

T rns				
MR	1- 2	2- 3	3- 4	4- 5
600:5	20	10	50	40
1200:5	40	20	100	80
2000:5	80	160	60	100
3000:5	200	240	60	100
4000:5	100	300	200	200

[illegible]

Medium Voltage Switchgear Current Transformers

Model CT103

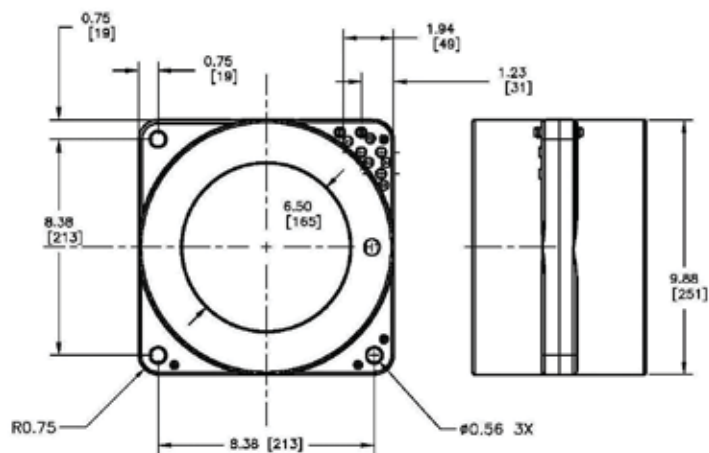
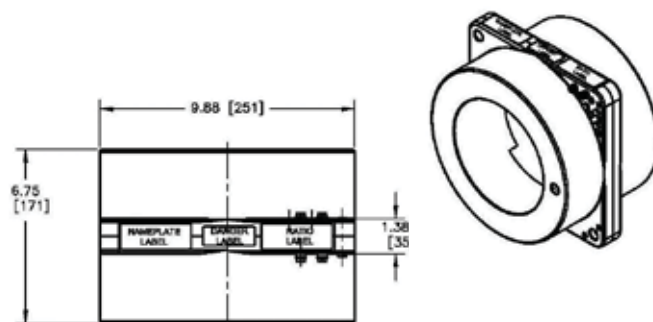
Window 6.5", 600V, 10kV BIL



INSULATION LEVEL 600 V, BIL 10kV full wave	
FREQUENCY 50-400 Hz	
THERMAL RATING	
50:5-3000:5	- 2.0 @ 30 deg. C ambient 1.5 @ 55 deg. C ambient
4000:5	- 1.5 @ 30 deg. C ambient 1.33 @ 55 deg. C ambient
OUTER ENCAPSULATION Plastic Cased	
SECONDARY TERMINALS Brass screw 10-32 with one flat washer and lock washer, accessible from either side	
APPROX. WEIGHT 59 lbs.	

Equivalent to GE-ITI MODEL 785 and ABB MODEL SCV-D

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS @ 60 HZ				
			B0.1	B0.2	B0.5	B0.9	B1.8
CT103-500	50:5	C 10	2.4	4.8	-	-	-
CT103-750	75:5	C 20	1.2	1.2	2.4	-	-
CT103-101	100:5	C 20	0.6	1.2	2.4	-	-
CT103-151	150:5	C 50	0.6	0.6	1.2	2.4	-
CT103-201	200:5	C 50	0.6	0.6	1.2	2.4	2.4
CT103-251	250:5	C 50	0.3	0.3	0.6	1.2	2.4
CT103-301	300:5	C100	0.3	0.3	0.3	0.6	1.2
CT103-401	400:5	C100	0.3	0.3	0.3	0.6	1.2
CT103-501	500:5	C100	0.3	0.3	0.3	0.3	0.6
CT103-601	600:5	C200	0.3	0.3	0.3	0.3	0.6
CT103-751	750:5	C200	0.3	0.3	0.3	0.3	0.3
CT103-801	800:5	C200	0.3	0.3	0.3	0.3	0.3
CT103-102	1000:5	C200	0.3	0.3	0.3	0.3	0.3
CT103-122	1200:5	C400	0.15	0.15	0.15	0.15	0.15
CT103-152	1500:5	C400	0.15	0.15	0.15	0.15	0.15
CT103-162	1600:5	C400	0.15	0.15	0.15	0.15	0.15
CT103-202	2000:5	C400	0.15	0.15	0.15	0.15	0.15
CT103-252	2500:5	C400	0.15	0.15	0.15	0.15	0.15
CT103-302	3000:5	C400	0.15	0.15	0.15	0.15	0.15
CT103-402	4000:5	C400	0.15	0.15	0.15	0.15	0.15

Medium Voltage Switchgear Current Transformers

Model CT103I (IEC)

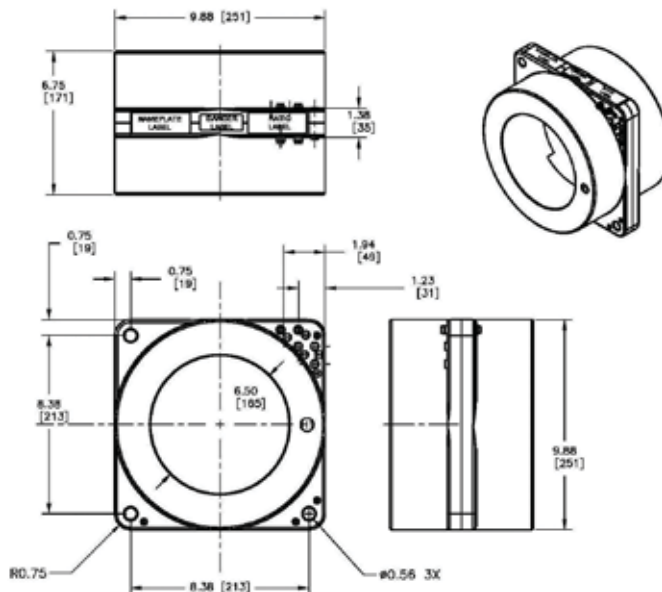
Window 6.5", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 785I

INSULATION LEVEL
600 V, BIL 10kV full wave
FREQUENCY
50-400 Hz
THERMAL RATING
50:1-1600:1 - 2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient
2000:1-3500:1- 1.5 @ 30 deg. C ambient
1.33 @ 55 deg. C ambient
OUTER ENCAPSULATION
Plastic Cased
SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer, accessible from either side
APPROX. WEIGHT
59 lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



Amran N	Ratio	TR @ 30C	TR @ 55C	IEC protection Class			
				Burden VA			
				2.5	5	10	
CT103I-500-1	50/1	2	1.5	10 10			
CT103I-750-1	75/5	2	1.5	5 30	10 20	10 10	
CT103I-101-1	100/1	2	1.5	5 30	10 25	10 10	
CT103I-151-1	150/1	2	1.5	5 30	5 30	10 20	
CT103I-201-1	200/1	2	1.5	5 30	5 30	5 25	
CT103I-251-1	250/1	2	1.5	5 30	5 30	5 30	
CT103I-301-1	300/1	2	1.5	5 30	5 30	5 30	
CT103I-401-1	400/1	2	1.5	5 30	5 30	5 30	
CT103I-501-1	500/1	2	1.5	5 30	5 30	5 30	
CT103I-601-1	600/1	2	1.5	5 30	5 30	5 30	
CT103I-751-1	750/1	2	1.5	5 30	5 30	5 30	
CT103I-801-1	800/1	2	1.5	5 30	5 30	5 30	
CT103I-102-1	1000/1	2	1.5	5 30	5 30	5 30	
CT103I-122-1	1200/1	2	1.5	5 30	5 30	5 30	
CT103I-152-1	1500/1	2	1.5	5 30	5 30	5 30	
CT103I-162-1	1600/1	2	1.5	5 30	5 30	5 30	
CT103I-202-1	2000/1	1.5	1.33	5 30	5 30	5 30	
CT103I-252-1	2500/1	1.5	1.33	5 30	5 30	5 30	
CT103I-302-1	3000/1	1.5	1.33	5 30	5 30	5 30	
CT103I-322-1	3200/1	1.5	1.33	5 30	5 30	5 30	
CT103I-352-1	3500/1	1.5	1.33	5 30	5 30	5 30	
CT103I-402-1	4000/1	1.33	1	5 30	5 30	5 30	

@ 50/60 Hz		IEC Me erin Class @ 50/60 Hz					indin Res. @ 75C (OHM)	i h (1 sec) A
A		B rden VA						
15	30	2.5	5	10	15	30		
		3.0	5.0				0.239	9
		1.0	3.0	5.0			0.353	14
		1.0	1.0	3.0	3.0	5.0	0.469	18
10 5		0.5	0.5	1.0	3.0	5.0	0.699	28
10 10		0.5	0.5	0.5	1.0	3.0	0.926	37
5 15	10 5	0.5	0.5	0.5	1.0	3.0	1.15	47
5 25	5 5	0.2	0.5	0.5	0.5	1.0	2.12	55
5 30	5 5	0.2	0.2	0.2	0.5	0.5	2.82	47
5 30	10 10	0.2	0.2	0.2	0.2	0.5	4.52	55
5 30	5 5	0.2	0.2	0.2	0.2	0.5	5.42	55
5 30	10 10	0.2	0.2	0.2	0.2	0.2	6.76	65
5 30	10 10	0.2	0.2	0.2	0.2	0.2	7.54	65
5 30	5 5	0.2	0.2	0.2	0.2	0.2	8.42	65
5 30	5 30	0.2	0.2	0.2	0.2	0.2	10.21	65
5 30	5 30	0.2	0.2	0.2	0.2	0.2	12.74	65
5 30	5 30	0.2	0.2	0.2	0.2	0.2	12.91	65
5 30	5 30	0.2	0.2	0.2	0.2	0.2	21.42	65
5 30	5 30	0.2	0.2	0.2	0.2	0.2	23.95	65
5 30	5 30	0.2	0.2	0.2	0.2	0.2	29.51	65
5 30	5 30	0.2	0.2	0.2	0.2	0.2	30.92	65
5 30	5 30	0.2	0.2	0.2	0.2	0.2	34.14	65
5 30	5 30	0.2	0.2	0.2	0.2	0.2	51.12	65

Medium Voltage Switchgear Current Transformers

Model CT104

Window 6.5", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 786 and ABB MODEL SCV-D

INSULATION LEVEL
600 V, BIL 10kV full wave

REQUENCY
50-400 Hz

HERMAL RATING
600:5MR 3000:5MR 2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient
4000:5MR 1.5 @ 30 deg. C ambient
1.33 @ 55 deg. C ambient

OPERENCAS LATION
Plastic Cased

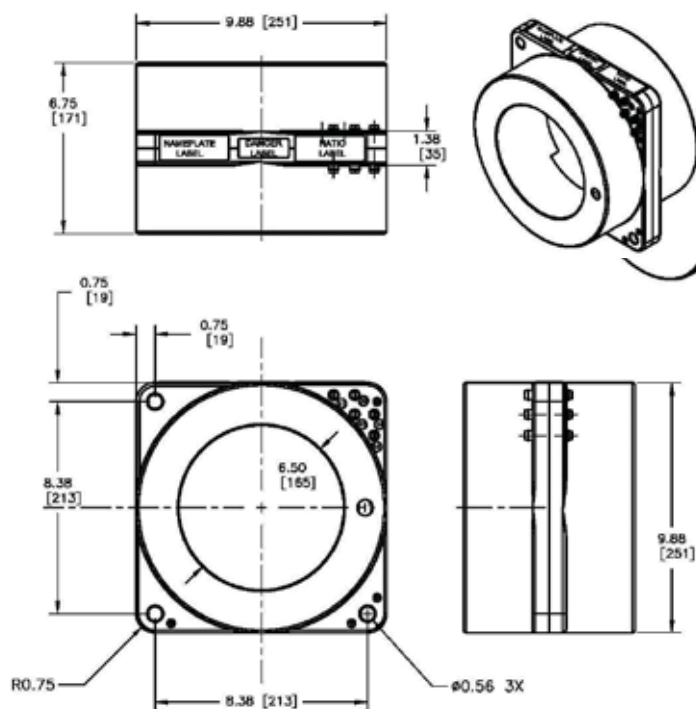
SECONDARY TERMINALS
Brass screw 10-32 with one flat washer,
accessible from either side

WEIGHT
59 lbs.

Calor Number	Current Ratio	Rela Class	ANSI Me rin Class (60Hz)
CT104-601MR	600:5MR	C200	0.6B1.8
CT104-122MR	1200:5MR	C400	0.3B1.8
CT104-202MR	2000:5MR	C400	0.15B1.8
CT104-302MR	3000:5MR	C400	0.15B1.8
CT104-402MR	4000:5MR	C400	0.15B1.8

T rns				
MR	1- 2	2- 3	3- 4	4- 5
600:5	20	10	50	40
1200:5	40	20	100	80
2000:5	80	160	60	100
3000:5	200	240	60	100
4000:5	100	300	200	200

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES _____):



Medium Voltage Switchgear Current Transformers



Model CT111

Window 7.02", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 680 and ABB MODEL SCR

INSULATION LEVEL
600 V; BIL 10kV full wave

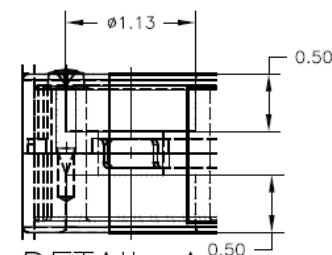
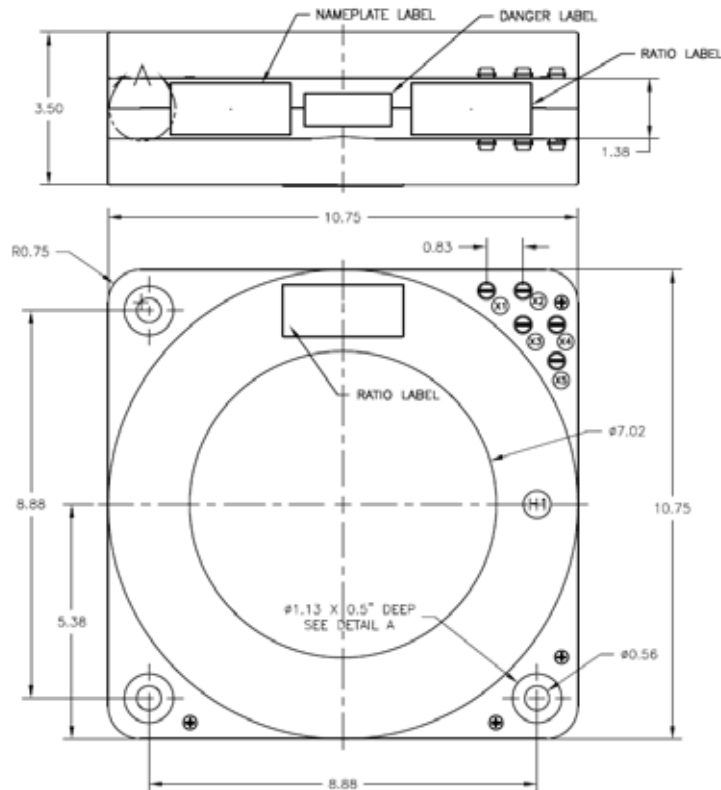
FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer,
accessible from either side

APPROX. WEIGHT
31 lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



DETAIL A
SCALE 1:1

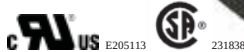
CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS @ 60 HZ					Thermal Ra in	
			B0.1	B0.2	B0.5	B0.9	B1.8	30 C	55 C
CT111-500	50:5	-	4.8	-	-	-	-	2.0	1.5
CT111-750	75:5	C 10	2.4	4.8	-	-	-	2.0	1.5
CT111-101	100:5	C 10	2.4	2.4	4.8	-	-	2.0	1.5
CT111-151	150:5	C 20	1.2	1.2	2.4	4.8	-	2.0	1.5
CT111-201	200:5	C 20	0.6	1.2	1.2	2.4	4.8	2.0	1.5
CT111-251	250:5	C 20	0.6	0.6	1.2	2.4	2.4	2.0	1.5
CT111-301	300:5	C 20	0.3	0.6	1.2	1.2	2.4	2.0	1.5
CT111-401	400:5	C 50	0.3	0.3	0.6	0.6	1.2	2.0	1.5
CT111-501	500:5	C 50	0.3	0.3	0.3	0.6	1.2	2.0	1.5
CT111-601	600:5	C 100	0.3	0.3	0.3	0.3	0.6	2.0	1.5
CT111-751	750:5	C 100	0.3	0.3	0.3	0.3	0.6	2.0	1.5
CT111-801	800:5	C 100	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT111-102	1000:5	C 100	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT111-122	1200:5	C 200	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT111-152	1500:5	C 200	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT111-202	2000:5	C 200	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT111-252	2500:5	C 200	0.3	0.3	0.3	0.3	0.3	1.33	1.0
CT111-302	3000:5	C 200	0.3	0.3	0.3	0.3	0.3	1.33	1.0
CT111-402	4000:5	C 200	0.3	0.3	0.3	0.3	0.3	1.33	1.0
CT111-502	5000:5	C 200	0.3	0.3	0.3	0.3	0.3	1.0	0.8

Medium Voltage Switchgear Current Transformers



Model CT111 (MR)

Window 7.02", 600V, 10kV BIL



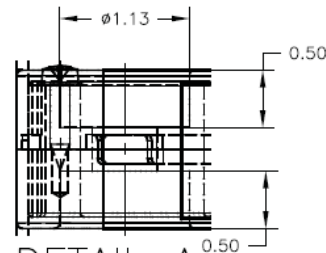
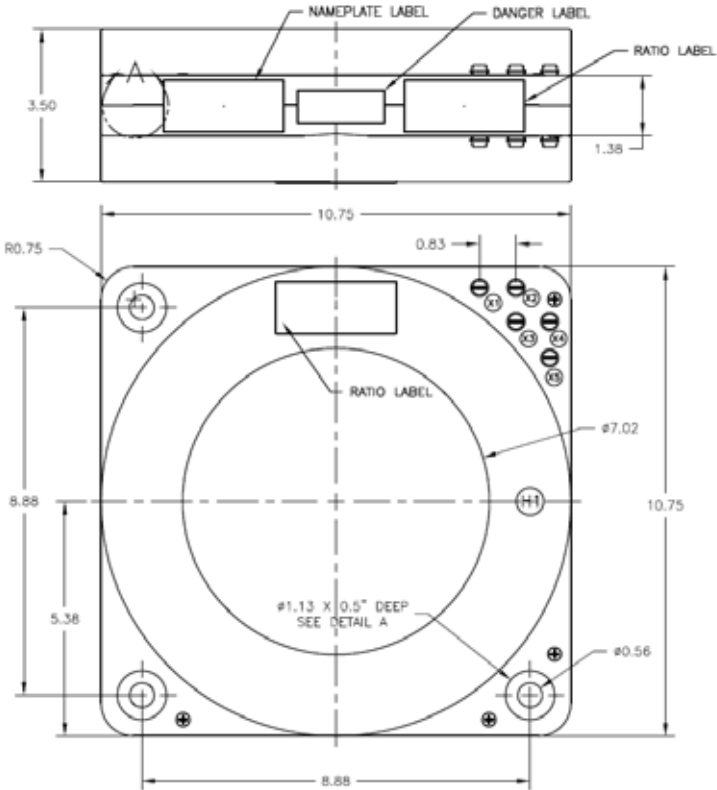
Equivalent to: GE-ITI MODEL 681 and ABB MODEL SCR

INSULATION LEVEL 600 V; BIL 10kV full wave
FREQUENCY 50-400 Hz
OUTER ENCAPSULATION Plastic Cased
SECONDARY TERMINALS Brass screw 10-32 with one flat washer, accessible from either side
APPROX. WEIGHT 31 lbs.

Ca alo	C rren Ra io	ANSI Rela Acc rac	ANSI Me erin Acc rac (60Hz)
CT111-601MR	600:5 MR	C100	0.6B1.8
CT111-122MR	1200:5 MR	C200	0.3B1.8
CT111-202MR	2000:5 MR	C200	0.15B1.8
CT111-302MR	3000:5 MR	C200	0.15B1.8
CT111-402MR	4000:5 MR	C200	0.15B1.8

Thermal Ra in		T rns Be een Ta s			
30C	55C	1- 2	2- 3	3- 4	4- 5
2.0	1.5	20	10	50	40
2.0	1.5	40	20	100	80
2.0	1.5	80	160	60	100
1.33	1.0	200	240	60	100
1.33	1.0	100	300	200	200

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):

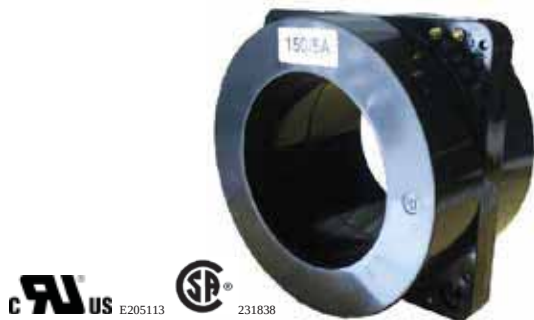


Medium Voltage Switchgear Current Transformers



Model CT112

Window 7.02", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 685 and ABB MODEL SCR-D

INSULATION LEVEL
600 V, BIL 10kV full wave

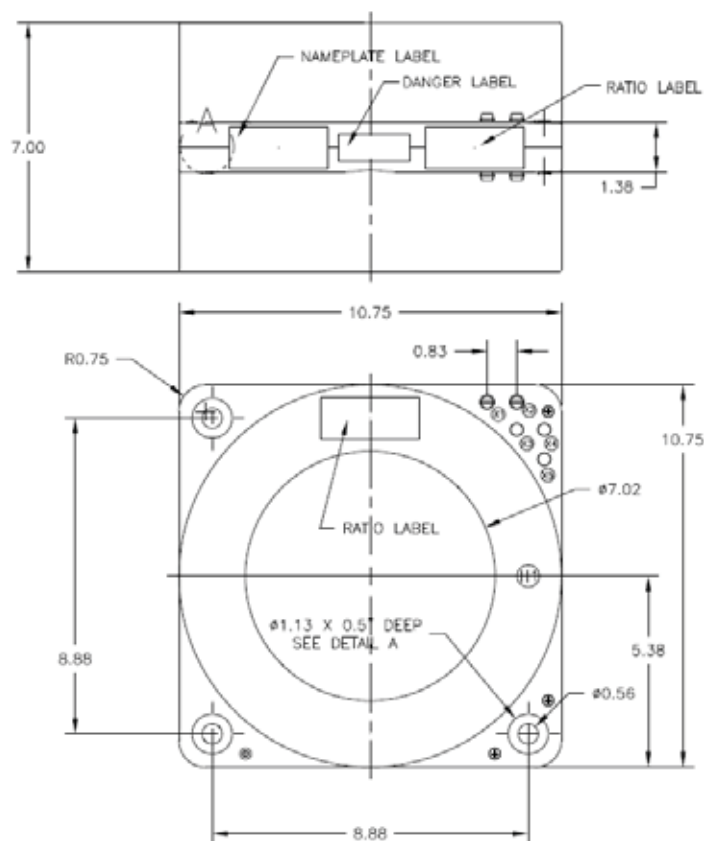
FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer, accessible from either side

APPROX. WEIGHT
30 lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



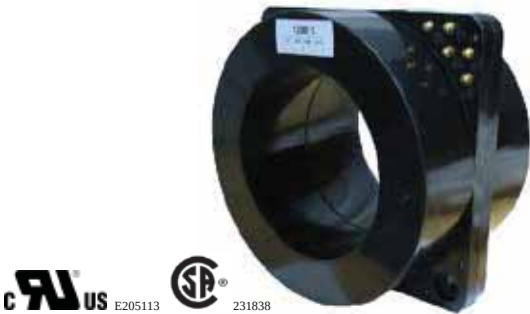
CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS @ 60 HZ					Thermal Ra in	
			B0.1	B0.2	B0.5	B0.9	B1.8	30 C	55 C
CT112-500	50:5	C 10	2.4	4.8	-	-	-	2.0	1.5
CT112-750	75:5	C 20	2.4	2.4	4.8	-	-	2.0	1.5
CT112-101	100:5	C 20	1.2	2.4	2.4	4.8	-	2.0	1.5
CT112-151	150:5	C 20	0.6	1.2	1.2	2.4	4.8	2.0	1.5
CT112-201	200:5	C 50	0.6	0.6	1.2	1.2	2.4	2.0	1.5
CT112-251	250:5	C 50	0.3	0.6	0.6	1.2	2.4	2.0	1.5
CT112-301	300:5	C 100	0.3	0.3	0.6	0.6	1.2	2.0	1.5
CT112-401	400:5	C 100	0.3	0.3	0.3	0.3	0.6	2.0	1.5
CT112-501	500:5	C 100	0.3	0.3	0.3	0.3	0.6	2.0	1.5
CT112-601	600:5	C 200	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT112-751	750:5	C 200	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT112-801	800:5	C 200	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT112-102	1000:5	C 200	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT112-122	1200:5	C 400	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT112-152	1500:5	C 400	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT112-202	2000:5	C 400	0.3	0.3	0.3	0.3	0.3	2.0	1.5
CT112-252	2500:5	C 400	0.3	0.3	0.3	0.3	0.3	1.33	1.0
CT112-302	3000:5	C 400	0.3	0.3	0.3	0.3	0.3	1.33	1.0
CT112-402	4000:5	C 400	0.3	0.3	0.3	0.3	0.3	1.33	1.0
CT112-502	5000:5	C 400	0.3	0.3	0.3	0.3	0.3	1.0	0.8

Medium Voltage Switchgear Current Transformers



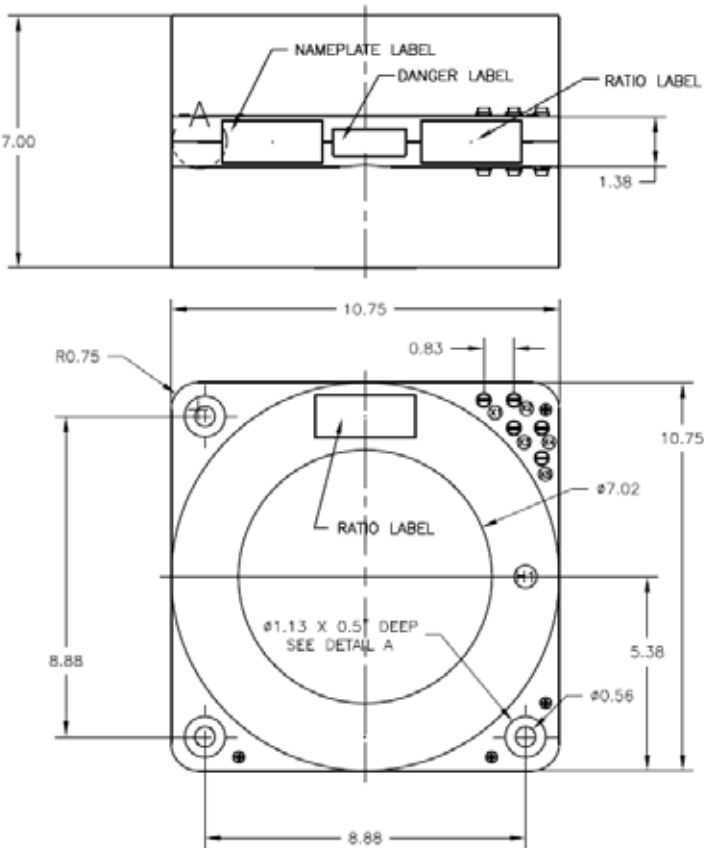
Model CT112 (MR)

Window 7.02", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 686 and ABB MODEL SCR-D

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



INSULATION LEVEL 600 V; BIL 10kV full wave	SECONDARY TERMINALS Brass screw 10-32 with one flat washer and lock washer, accessible from either side
FREQUENCY 50-400 Hz	APPROX. WEIGHT 31 lbs.
THERMAL RATING 600:5MR – 1200/5MR 2.0 @ 30 deg. C ambient 1.5 @ 55 deg. C ambient	CUSTOM OPTIONS (CONTACT US) - Different Ratios - Non-standard thermal rating - Different encapsulation - Different secondary termination - Special mounting needs
2000/5MR-4000/5MR 1.33 @ 30 deg. C ambient 1.0 @ 55 deg. C ambient	
OUTER ENCAPSULATION Plastic Cased	

Ca lo	C rren Ra io	ANSI Rela Acc rac	ANSI Me erin Acc rac (60Hz)
CT102-601MR	600:5 MR	C100	0.3B0.5
CT102-122MR	1200:5 MR	C200	0.3B1.8
CT102-202MR	2000:5 MR	C200	0.3B1.8
CT102-302MR	3000:5 MR	C200	0.3B1.8
CT102-402MR	4000:5 MR	C200	0.3B1.8

T rns				
MR	1- 2	2- 3	3- 4	4- 5
600:5	20	10	50	40
1200:5	40	20	100	80
2000:5	80	160	60	100
3000:5	200	240	60	100
4000:5	100	300	200	200

Medium Voltage Switchgear Current Transformers

Model CT340

Window 7.25", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 882 and ABB MODEL SCP-2

INSULATION LEVEL
600 V, BIL 10kV full wave

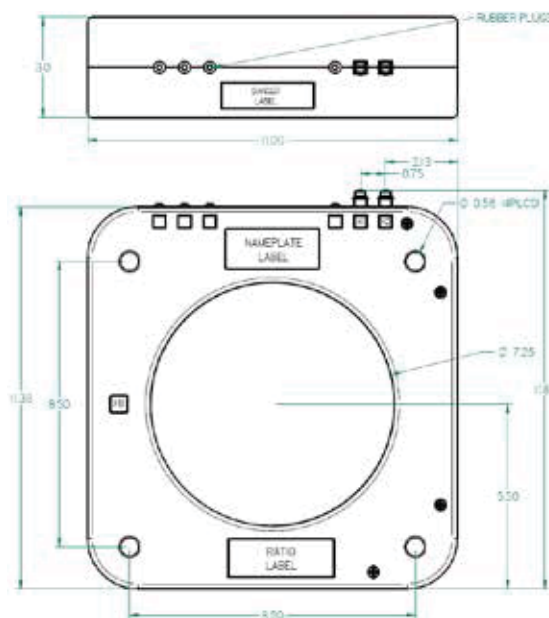
FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

APPROX WEIGHT
31lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METER	
			B0.1	B0.2
CT340-500	50:5	-	4.8	-
CT340-750	75:5	C10	2.4	2.4
CT340-101	100:5	C10	1.2	2.4
CT340-151	150:5	C20	1.2	1.2
CT340-201	200:5	C20	0.6	0.6
CT340-301	300:5	C50	0.3	0.3
CT340-401	400:5	C50	0.3	0.3
CT340-501	500:5	C50	0.3	0.3
CT340-601	600:5	C100	0.3	0.3
CT340-801	800:5	C100	0.3	0.3
CT340-102	1000:5	C100	0.3	0.3
CT340-122	1200:5	C200	0.3	0.3
CT340-152	1500:5	C200	0.3	0.3
CT340-202	2000:5	C200	0.3	0.3
CT340-252	2500:5	C200	0.3	0.3
CT340-302	3000:5	C200	0.3	0.3
CT340-402	4000:5	C200	0.3	0.3

RING CLASS @ 60 HZ			INDING RESISTANCE @75 C	THERMAL RATING @ 30 C
B0.5	B0.9	B1.8		
-	-	-	-	2.0
-	-	-	0.028	2.0
-	-	-	0.0354	2.0
2.4	-	-	0.0542	2.0
1.2	2.4	4.8	0.0677	2.0
0.6	1.2	2.4	0.061	2.0
0.6	0.6	1.2	0.1356	2.0
0.3	0.6	1.2	0.1686	2.0
0.3	0.3	0.6	0.204	2.0
0.3	0.3	0.3	0.2718	2.0
0.3	0.3	0.3	0.3398	2.0
0.3	0.3	0.3	0.4076	2.0
0.3	0.3	0.3	0.459	2.0
0.3	0.3	0.3	0.6239	2.0
0.3	0.3	0.3	0.717	1.5
0.3	0.3	0.3	0.834	1.5
0.3	0.3	0.3	1.15	1.5

Medium Voltage Switchgear Current Transformers



Model CT340 (MR)

Window 7.25", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

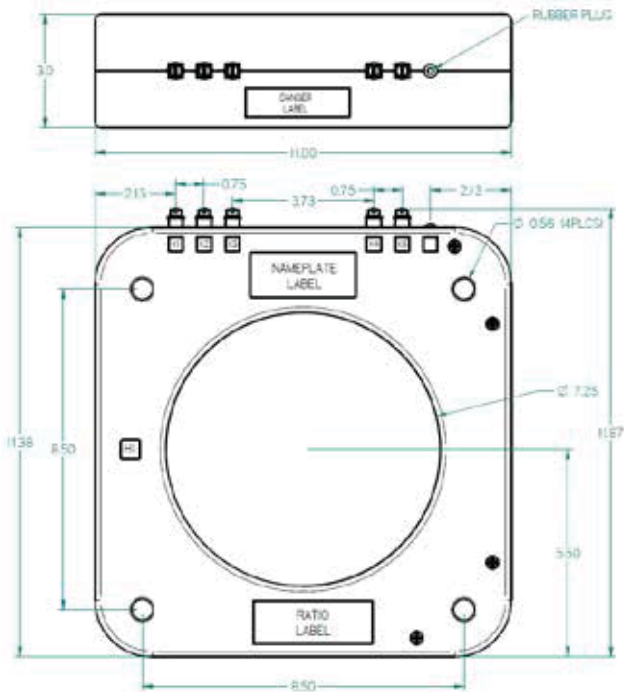
FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

APPROX WEIGHT
31lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS @ 60 HZ
			B0.1
CT340-601MR	600:5	C100	0.3
CT340-122MR	1200:5	C200	0.3
CT340-202MR	2000:5	C200	0.3
CT340-302MR	3000:5	C200	0.3
CT340-402MR	4000:5	C200	0.3

ANSI METERING CLASS @ 60 HZ				INDING RESISTANCE @75 C
B0.2	B0.5	B0.9	B1.8	
0.3	0.3	0.3	0.6	0.204
0.3	0.3	0.3	0.3	0.4076
0.3	0.3	0.3	0.3	0.6239
0.3	0.3	0.3	0.3	0.834
0.3	0.3	0.3	0.3	1.15

TURNS				
MR	1- 2	2- 3	3- 4	4- 5
600:5	20	10	50	40
1200:5	40	20	100	80
2000:5	80	160	60	100
3000:5	200	240	60	100
4000:5	100	300	200	200

Medium Voltage Switchgear Current Transformers

Model CT354

Window 7.31", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 142, 142MR and ABB MODEL SCP-2

INSULATION LEVEL
600 V, BIL 10kV full wave

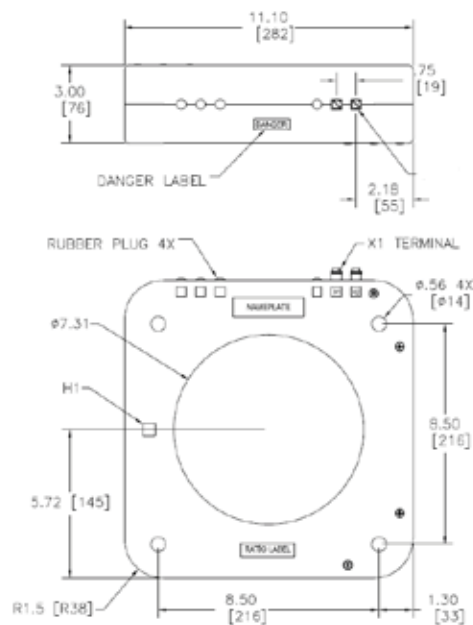
FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

APPROX WEIGHT
31lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS @ 60 HZ				
			B0.1	B0.2	B0.5	B0.9	B1.8
CT354-500	50:5	-	-	-	-	-	-
CT354-750	75:5	C10	2.4	4.8	-	-	-
CT354-101	100:5	C10	1.2	2.4	4.8	-	-
CT354-151	150:5	C20	1.2	1.2	2.4	4.8	-
CT354-201	200:5	C20	0.6	0.6	1.2	2.4	4.8
CT354-251	250:5	C20	0.3	0.6	1.2	1.2	2.4
CT354-301	300:5	C50	0.3	0.3	0.6	1.2	2.4
CT354-401	400:5	C50	0.3	0.3	0.3	0.6	1.2
CT354-501	500:5	C50	0.3	0.3	0.3	0.6	0.6
CT354-601	600:5	C100	0.3	0.3	0.3	0.3	0.6
CT354-751	750:5	C100	0.3	0.3	0.3	0.3	0.3
CT354-801	800:5	C100	0.3	0.3	0.3	0.3	0.3
CT354-102	1000:5	C100	0.3	0.3	0.3	0.3	0.3
CT354-122	1200:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-152	1500:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-162	1600:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-202	2000:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-252	2500:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-302	3000:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-322	3200:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-352	3500:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-402	4000:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-502	5000:5	C200	0.3	0.3	0.3	0.3	0.3
CT354-602	6000:5	C200	0.3	0.3	0.3	0.3	0.3

THERMAL RATING	
@ 30 C	@ 55 C
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	1.33
1.5	1.0
1.5	1.0
1.33	1.0
2.0	1.5
1.5	1.0
1.0	0.8
1.0	0.8
1.0	0.8
1.0	0.8
1.0	0.8
1.0	0.6

Medium Voltage Switchgear Current Transformers

Model CT354 (MR)

Window 7.31", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 142MR

INSULATION LEVEL
600 V, BIL 10kV full wave

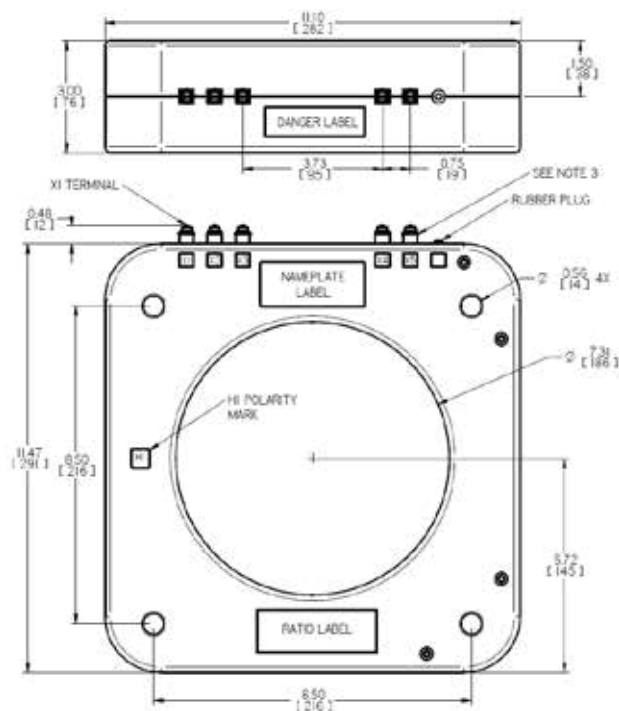
FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

APPROX WEIGHT
31lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERS	
			B0.1	B0.2
CT354-601MR	600:5	C100	0.3	0.3
CT354-122MR	1200:5	C200	0.3	0.3
CT354-202MR	2000:5	C200	0.3	0.3
CT354-302MR	3000:5	C200	0.3	0.3
CT354-402MR	4000:5	C200	0.3	0.3

RING CLASS @ 60 HZ			THERMAL RATING	
B0.5	B0.9	B1.8	@ 30 C	@ 55 C
0.3	0.3	0.6	2.0	2.0
0.3	0.3	0.3	1.5	1.0
0.3	0.3	0.3	2.0	1.5
0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	1.0	0.8

TURNS				
MR	1- 2	2- 3	3- 4	4- 5
600:5	20	10	50	40
1200:5	40	20	100	80
2000:5	80	160	60	100
3000:5	200	240	60	100
4000:5	100	300	200	200

AMRAN
INSTRUMENT TRANSFORMERS

Window 7.31", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

Technical drawing of the front and side views of a rectangular electronic component.

Front View Dimensions:

- Overall Width: 11.10 [282]
- Overall Height: 6.00 [152]
- Top Mounting Hole Spacing: 7.5 [19]
- Bottom Mounting Hole Spacing: 2.18 [55] (TYPICAL)
- Central Circular Feature Diameter: 6.31
- Central Circular Feature Mounting Hole Spacing: 1.67 [42]
- Central Circular Feature Mounting Hole Diameter: 0.56 4X [14]
- Central Circular Feature Mounting Hole Position: 8.50 [216]
- Central Circular Feature Mounting Hole Position: 1.30 [33]
- Central Circular Feature Mounting Hole Position: 1.30 [33]
- Central Circular Feature Mounting Hole Position: 8.50 [216]
- Central Circular Feature Mounting Hole Position: 1.5 [38]
- Central Circular Feature Mounting Hole Position: 5.73 [145]
- Central Circular Feature Mounting Hole Position: 0.731
- Central Circular Feature Mounting Hole Position: 1.30 [33]
- Central Circular Feature Mounting Hole Position: 1.30 [33]
- Central Circular Feature Mounting Hole Position: 8.50 [216]
- Central Circular Feature Mounting Hole Position: 1.5 [38]
- Central Circular Feature Mounting Hole Position: 5.73 [145]
- Central Circular Feature Mounting Hole Position: 0.731

Side View Dimensions:

- Overall Width: 3 [75]
- Overall Height: 11.47 [291]
- Top Mounting Hole Spacing: 0.46 [12]

Labels and Notes:

- DANGER
- RUBBER PLUG 4X
- H1
- X1 TERMINAL
- WASHER
- SEE NOTE 3.

THERMAL RATING	
@ 30 C	@ 55 C
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
1.5	1.33
1.5	1.0
1.5	1.0
1.33	1.0
1.33	1.0
1.0	0.8
1.0	0.8
1.0	0.8
1.0	0.8
1.0	0.6
1.0	0.6
0.8	0.6

Medium Voltage Switchgear Current Transformers

Model CT355 (MR)

Window 7.31", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 143MR

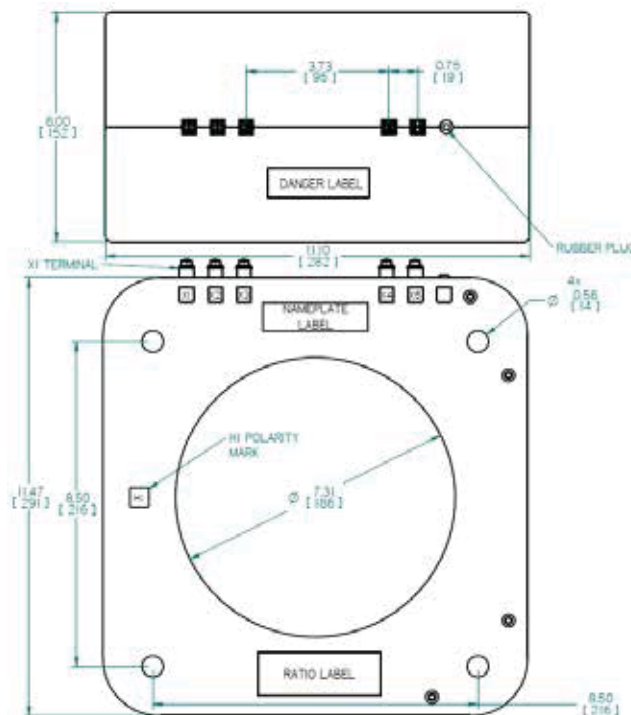
INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METER	
			B0.1	B0.2
CT355-601MR	600:5	C200	0.3	0.3
CT355-122MR	1200:5	C400	0.3	0.3
CT355-202MR	2000:5	C400	0.3	0.3
CT355-302MR	3000:5	C800	0.3	0.3
CT355-402MR	4000:5	C800	0.3	0.3

RING CLASS @ 60 HZ			THERMAL RATING	
B0.5	B0.9	B1.8	@ 30 C	@ 55 C
0.3	0.3	0.3	2.0	2.0
0.3	0.3	0.3	1.5	1.0
0.3	0.3	0.3	1.33	1.0
0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	1.0	0.6

TURNS				
MR	1- 2	2- 3	3- 4	4- 5
600:5	20	10	50	40
1200:5	40	20	100	80
2000:5	80	160	60	100
3000:5	200	240	60	100
4000:5	100	300	200	200

Medium Voltage Switchgear Current Transformers

Model CT352

Window 8.13", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 140, 140MR and ABB MODEL SCP-3

INSULATION LEVEL
600 V, BIL 10kV full wave

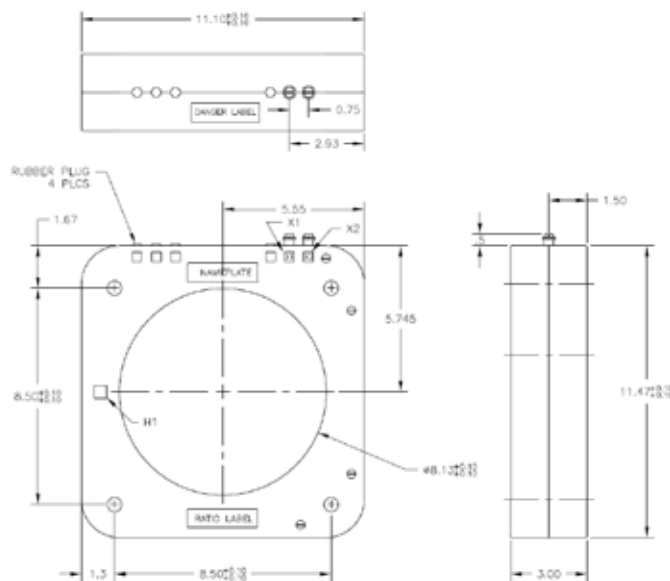
FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

APPROX WEIGHT
22lbs

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS @ 60 HZ				
			B0.1	B0.2	B0.5	B0.9	B1.8
CT352-500	50:5	-	4.8	-	-	-	-
CT352-101	100:5	-	2.4	4.8	-	-	-
CT352-201	200:5	C10	1.2	1.2	2.4	4.8	-
CT352-251	250:5	C20	1.2	1.2	2.4	2.4	4.8
CT352-301	300:5	C20	0.6	1.2	1.2	2.4	2.4
CT352-401	400:5	C20	0.3	0.3	0.6	1.2	2.4
CT352-501	500:5	C20	0.3	0.3	0.6	1.2	1.2
CT352-601	600:5	C50	0.3	0.3	0.3	0.6	1.2
CT352-801	800:5	C50	0.3	0.3	0.3	0.3	0.6
CT352-102	1000:5	C50	0.3	0.3	0.3	0.3	0.6
CT352-122	1200:5	C100	0.3	0.3	0.3	0.3	0.3
CT352-152	1500:5	C100	0.3	0.3	0.3	0.3	0.3
CT352-202	2000:5	C100	0.3	0.3	0.3	0.3	0.3
CT352-252	2500:5	C100	0.3	0.3	0.3	0.3	0.3
CT352-302	3000:5	C100	0.3	0.3	0.3	0.3	0.3
CT352-402	4000:5	C200	0.3	0.3	0.3	0.3	0.3
CT352-502	5000:5	C100	0.3	0.3	0.3	0.3	0.3
CT352-602	6000:5	C100	0.3	0.3	0.3	0.3	0.3

THERMAL RATING	
@ 30 C	@ 55 C
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	1.5
1.5	1.5
1.5	1.0
1.33	1.0
1.33	1.0
1.0	0.8
1.0	0.8
1.0	0.8
1.0	0.8

Medium Voltage Switchgear Current Transformers

Model CT352 (MR)

Window 8.13", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 140MR

INSULATION LEVEL
600 V, BIL 10kV full wave

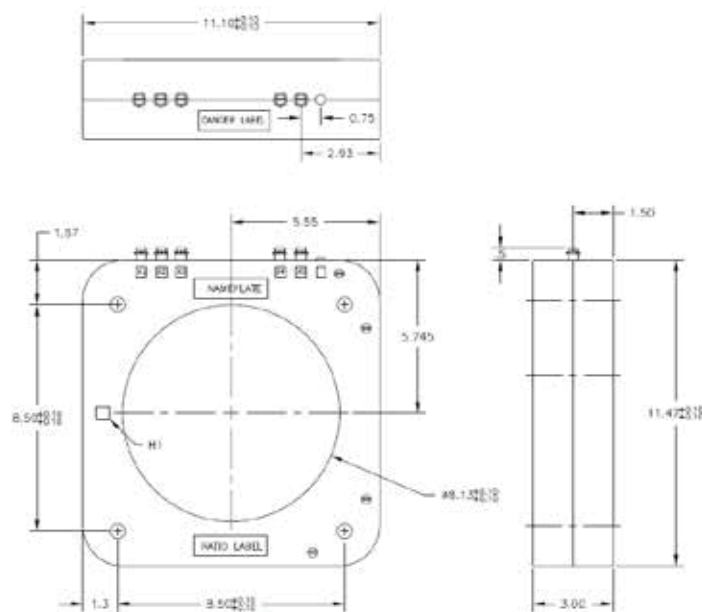
FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 with one flat washer and lock washer

APPROX WEIGHT
22lbs

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



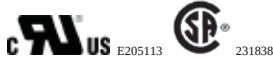
CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERS	
			B0.1	B0.2
CT352-601MR	600:5	C50	0.3	0.3
CT352-122MR	1200:5	C100	0.3	0.3
CT352-202MR	2000:5	C100	0.3	0.3
CT352-302MR	3000:5	C100	0.3	0.3
CT352-402MR	4000:5	C200	0.3	0.3
CT352-502MR	5000:5	C100	0.3	0.3

RING CLASS @ 60 HZ			THERMAL RATING	
B0.5	B0.9	B1.8	@ 30 C	@ 55 C
0.3	0.6	1.2	2.0	2.0
0.3	0.3	0.3	1.5	1.5
0.3	0.3	0.3	1.33	1.0
0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	1.0	0.8
0.3	0.3	0.3	1.0	0.8

TURNS				
MR	1- 2	2- 3	3- 4	4- 5
600:5	20	10	50	40
1200:5	40	20	100	80
2000:5	80	160	60	100
3000:5	200	240	60	100
4000:5	100	300	200	200
5000:5	300	100	400	200

AMRAN
INSTRUMENT TRANSFORMERS

Window 8.13", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw -32 with one flat washer
and lock washer

APPROX WEIGHT
44lbs

Technical drawing showing the front view of a rectangular metal plate. The overall width is 11.02 ± 0.08 and the overall height is 11.67. Key features include:

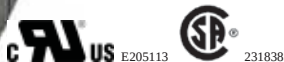
- A central circular hole with a diameter of φ8.12 ± 0.03.
- Four rubber plugs labeled "RUBBER PLUG 4 PLS" located at the top corners, with a distance of 1.39 from the top edge to the centerline of the plugs.
- Two small holes labeled "X1" and "X2" located above the central hole, with a distance of 5.55 ± 0.02 between their centers.
- A label "DANGER LABEL" is positioned near the top right corner, with a distance of 0.75 from the right edge to its center.
- A label "WINDUVE" is positioned below the central hole.
- A label "THERM LARG." is positioned at the bottom center.
- The distance from the left edge to the center of the central hole is 5.50 ± 0.02.
- The distance from the bottom edge to the center of the central hole is 5.745.
- The distance from the left edge to the center of the central hole is also indicated as 5.50 ± 0.02.
- The distance from the bottom edge to the center of the central hole is also indicated as 5.745.

THERMAL RATING	
@ 30 C	@ 55 C
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	2.0
2.0	1.5
2.0	1.5
2.0	1.5
2.0	1.5
1.5	1.0
1.33	1.0
1.5	1.33
1.5	1.0
1.0	0.8
1.0	0.8
1.0	0.6

Medium Voltage Switchgear Current Transformers

Model CT353 (MR)

Window 8.13", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 141MR

INSULATION LEVEL
600 V, BIL 10kV full wave

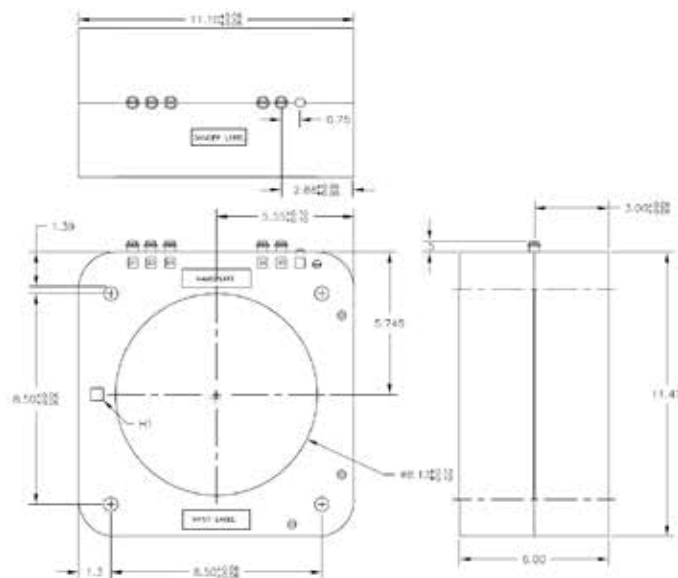
FREQUENCY
50-400 Hz

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw -32 with one flat washer
and lock washer

APPROX WEIGHT
44lbs

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS	ANSI METERING CLASS		
			B0.1	B0.2	B0.5
CT353-601MR	600:5	C100	0.3	0.3	0.3
CT353-122MR	1200:5	C200	0.3	0.3	0.3
CT353-202MR	2000:5	C400	0.3	0.3	0.3
CT353-302MR	3000:5	C400	0.3	0.3	0.3
CT353-402MR	4000:5	C400	0.3	0.3	0.3
CT353-502MR	5000:5	C400	0.3	0.3	0.3

SS @ 60 HZ		THERMAL RATING	
B0.9	B1.8	@ 30 C	@ 55 C
0.3	0.6	2.0	1.5
0.3	0.3	2.0	1.5
0.3	0.3	1.33	1.0
0.3	0.3	1.5	1.0
0.3	0.3	1.0	0.8
0.3	0.3	1.0	0.8

TURNS				
MR	1- 2	2- 3	3- 4	4- 5
600:5	20	10	50	40
1200:5	40	20	100	80
2000:5	80	160	60	100
3000:5	200	240	60	100
4000:5	100	300	200	200
5000:5	300	100	400	200

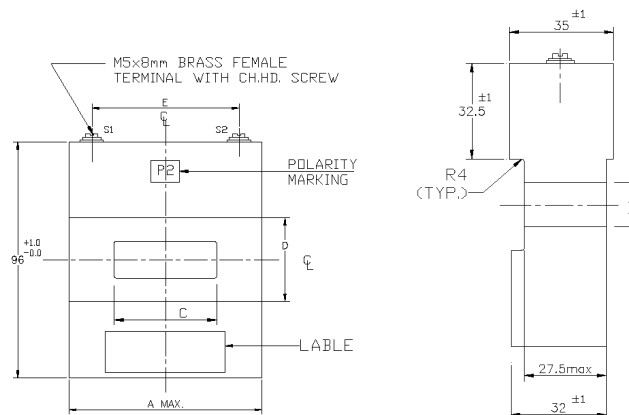
Rectangular Current Transformers

Model CT405

Window 1.69" x 0.43", 600V, 10kV BIL Full Wave



DIMENSIONS: All dimensions are in mm



INSULATION LEVEL

600V; BIL 10kV

FREQUENCY

50/60 Hz.

THERMAL RATING

2.0 @ 30 deg. C ambient

1.5 @ 55 deg. C ambient

OUTER ENCAPSULATION

Resin casted PU/ epoxy

SECONDARY TERMINALS

Brass screw with one flat washer and lock washer

RATIO	A max.	B +1.0 -0.0	C +1.0 -0.0	D ±1	E
400/5A	78.3	11	43	31	60
630/5A	78.3	11	43	31	60
800/5A	78.3	11	43	31	60
1000/5A	78.3	15	43	31	60
1250/5A	78.3	15	43	31	60
1600/5A	108.3	18	83	31	90
2000/5A	108.3	18	83	31	90
2500/5A	155.3	18	123	31	140
3200/5A	155.3	18	123	31	140

Catalog Number	Current Ratio	l (mm)
CT 05-XXX	00:5 A to 00:5A	3 X 11
CT 06-XXX	1000:5A to 1250:5A	3 X 15
CT 07-XXX	1600:5A to 2000:5A	3 X 1
CT 0 -XXX	2500:5A to 3200:5A	123 X 1

Burden VA	Accuracy class (50 Hz.) I C 60044
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0

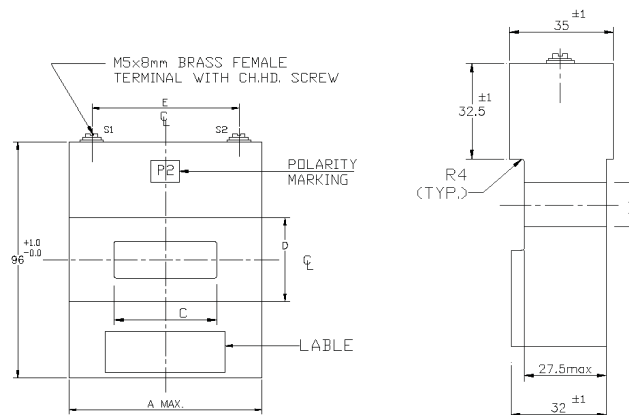
Rectangular Current Transformers

Model CT406

Window 1.69" x 0.59", 600V, 10kV BIL Full Wave



DIMENSIONS: All dimensions are in mm



INSULATION LEVEL
600V; BIL 10kV

FREQUENCY
50/60 Hz.

THERMAL RATING
2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient

OUTER ENCAPSULATION
Resin casted PU/ poxy

SECONDARY TERMINALS
Brass screw with one flat washer and lock washer

RATIO	A max.	B +1.0 -0.0	C +1.0 -0.0	D ±1	E
400/5A	78.3	11	43	31	60
630/5A	78.3	11	43	31	60
800/5A	78.3	11	43	31	60
1000/5A	78.3	15	43	31	60
1250/5A	78.3	15	43	31	60
1600/5A	108.3	18	83	31	90
2000/5A	108.3	18	83	31	90
2500/5A	155.3	18	123	31	140
3200/5A	155.3	18	123	31	140

Catalog Number	Current Ratio	l (mm)
CT 05-XXX	00:5 A to 00:5A	3 X 11
CT 06-XXX	1000:5A to 1250:5A	3 X 15
CT 07-XXX	1600:5A to 2000:5A	3 X 1
CT 0 -XXX	2500:5A to 3200:5A	123 X 1

Burden VA	Accuracy class (50 Hz.) I C 60044
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0

Rectangular Current Transformers



Model CT426

Window 2.37" x 3.15", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 584

INSULATION LEVEL
600 V, BIL 10kV full wave

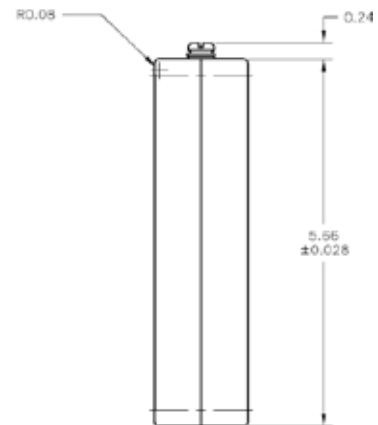
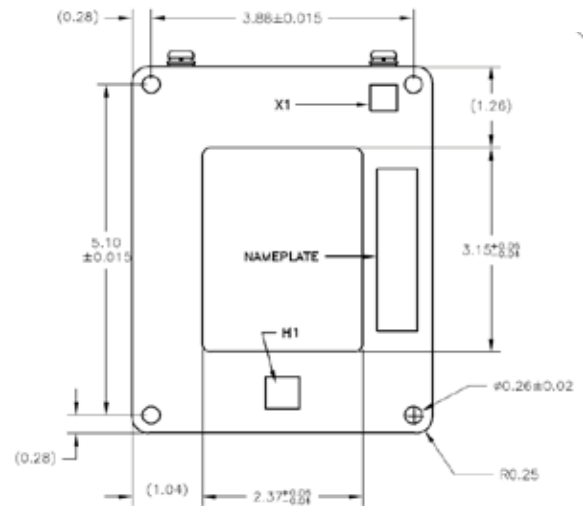
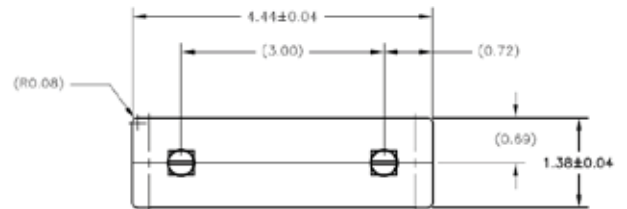
FREQUENCY
50-400 Hz

THERMAL RATING
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw 10-32 x 1/4" pan HD, slotted with
one flat and one lock washer

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS @ 60 HZ				
		B0.1	B0.2	B0.5	B0.9	B1.8
CT426-162	1600:5	0.3	0.3	0.6	0.6	1.2
CT426-202	2000:5	0.3	0.3	0.6	0.6	1.2
CT426-252	2500:5	0.3	0.3	0.6	0.6	0.6
CT426-302	3000:5	0.3	0.3	0.3	0.6	0.6
CT426-322	3200:5	0.3	0.3	0.3	0.6	0.6

Rectangular Current Transformers



Model CT403

Window 2.56" x 4.0", 600V, 10kV BIL Full Wave



INSULATION LEVEL
0.6 V; BIL 10kV full wave

FREQUENCY
50 - 400 Hz.

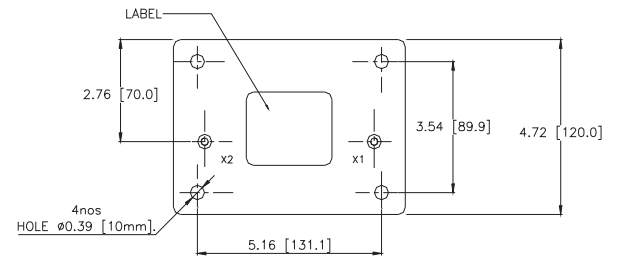
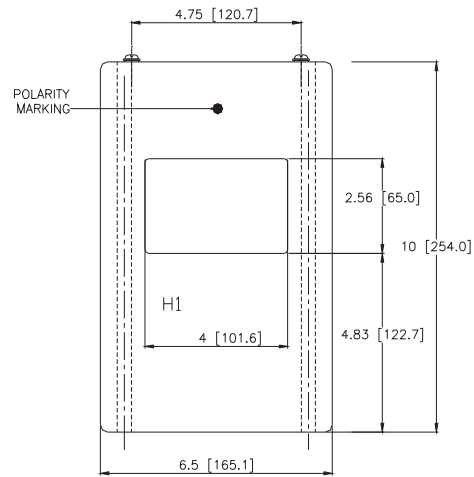
RATING FACTOR
1.0 @ 30 deg. C ambient

OUTER ENCAPSULATION
Polyurethane/ poxy Resin ncapsulated

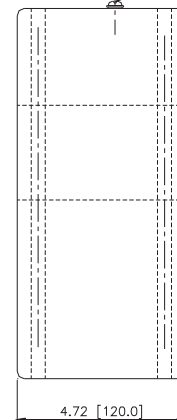
TERMINALS
Brass insert with No 10-32 UNF screw. ne
flat washer, and one lockwasher.

APPROX. WEIGHT
22.0 lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



SEC. TERMINAL
#10-32UNF
WITH ONE FLAT WASHER
AND LOCK WASHER



Catalog Number	Current Ratio	Relay Class
CT403-502	5000:5	C50
CT403-552	5500:5	C50
CT403-602	6000:5	C50
CT403-652	6500:5	C50
CT403-702	7000:5	C50
CT403-752	7500:5	C50
CT403-802	8000:5	C50
CT403-852	8500:5	C50
CT403- 02	000:5	C50

Rectangular Current Transformers

Model CT425

Window 2.63" x 5.25", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

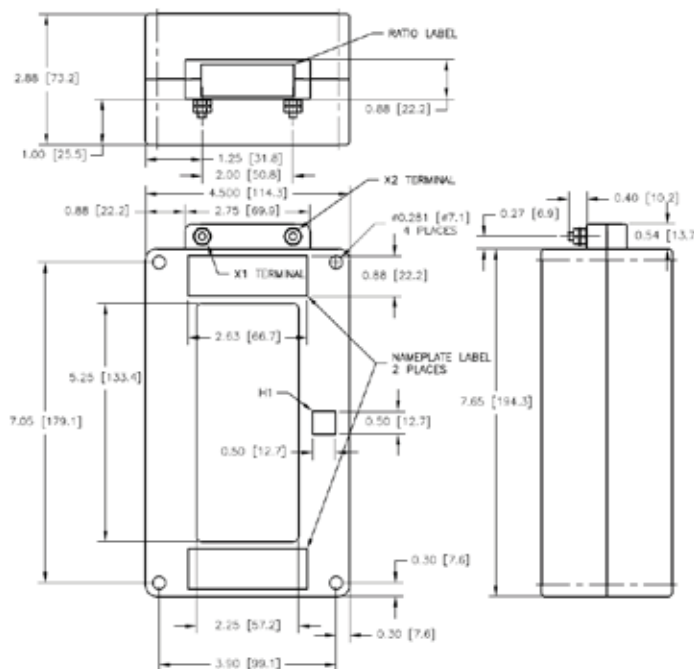
REQUENCY
60-400 Hz

TEMPERATURE RATING
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

CONSTRUCTION
Plastic Cased

SECONDARY TERMINALS
Brass screw #32 with one flat washer
and lock washer, and two nuts.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS (@ 60 HZ)	ANSI METE	
			B0.1	B0.2
CT425-101-01	100:5	-	2.4	2.4
CT425-151-01	150:5	C10	1.2	2.4
CT425-201-01	200:5	C10	0.6	1.2
CT425-251-01	250:5	C10	0.6	0.6
CT425-301-01	300:5	C10	0.6	0.6
CT425-401-01	400:5	C20	0.3	0.3
CT425-501-01	500:5	C20	0.3	0.3
CT425-601-01	600:5	C20	0.3	0.3
CT425-751-01	750:5	C20	0.3	0.3
CT425-801-01	800:5	C20	0.3	0.3
CT425-102-01	1000:5	C50	0.3	0.3
CT425-122-01	1200:5	C50	0.3	0.3
CT425-152-01	1500:5	C50	0.3	0.3
CT425-162-01	1600:5	C50	0.3	0.3
CT425-202-01	2000:5	C50	0.3	0.3

RING CLASS @ 60 HZ			SECONDARY WINDING RESISTANCE (Ω@75° C)
B0.5	B0.9	B1.8	
-	-	-	0.0108
-	-	-	0.0260
2.4	-	-	0.0667
1.2	2.4	-	0.0821
1.2	2.4	-	0.0975
0.6	1.2	2.4	0.1283
0.6	1.2	1.2	0.1590
0.3	0.6	1.2	0.1900
0.3	0.3	0.6	0.2362
0.3	0.3	0.6	0.2520
0.3	0.3	0.3	0.3130
0.3	0.3	0.3	0.2805
0.3	0.3	0.3	0.4384
0.3	0.3	0.3	0.4667
0.3	0.3	0.3	0.5813

Rectangular Current Transformers



Model CT401

Window 3.25" x 4.25", 600V, 10kV BIL



INSULATION LEVEL
0.6 V; BIL 10kV full wave

REQUENCY
50 - 400 Hz.

RATINGS
1.33 @ 30 deg. C ambient

OPERATING CLASS
Plastic Case

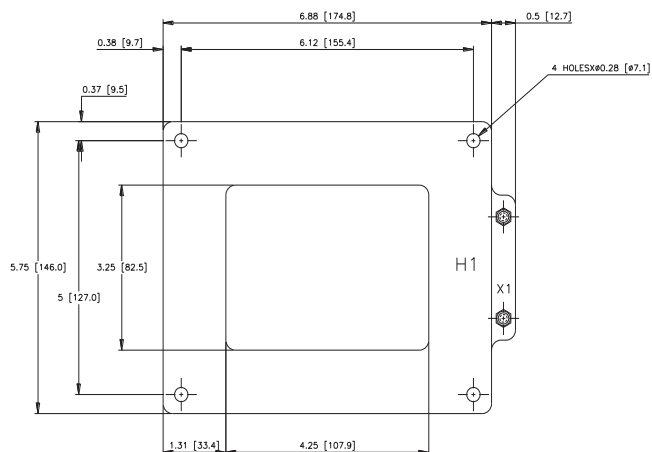
TERMINALS
Brass studs No 10-32 UNC with one flat washer, lockwasher and regular nut.

WEIGHT
12. lbs.

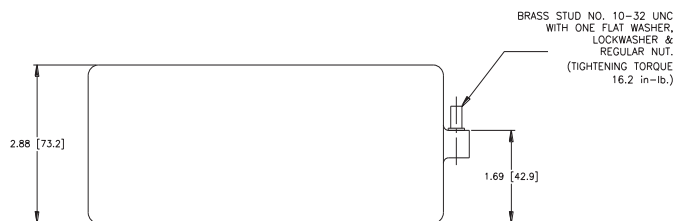
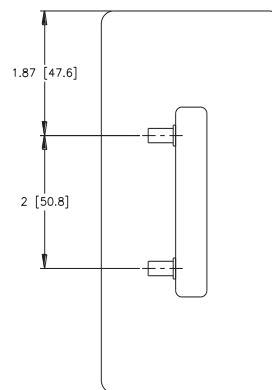


Equivalent to GE-ITI MODEL 561

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



Catalog Number	Current Ratio	ANSI Metering Class a 60Hz				
		B0.1	B0.2	B0.5	B0.9	B1.8
CT401-101	100:5	2.4	2.4	-	-	-
CT401-151	150:5	1.2	2.4	-	-	-
CT401-201	200:5	0.6	1.2	2.4	2.4	-
CT401-251	250:5	0.6	0.6	1.2	2.4	-
CT401-301	300:5	0.3	0.6	1.2	1.2	2.4
CT401-401	400:5	0.3	0.3	0.6	1.2	1.2
CT401-501	500:5	0.3	0.3	0.3	0.6	0.6
CT401-601	600:5	0.3	0.3	0.3	0.3	0.6
CT401-751	750:5	0.3	0.3	0.3	0.3	0.6
CT401-801	800:5	0.3	0.3	0.3	0.3	0.6
CT401-102	1000:5	0.3	0.3	0.3	0.3	0.3
CT401-122	1200:5	0.3	0.3	0.3	0.3	0.3
CT401-152	1500:5	0.3	0.3	0.3	0.3	0.3
CT401-162	1600:5	0.3	0.3	0.3	0.3	0.3
CT401-202	2000:5	0.3	0.3	0.3	0.3	0.3
CT401-252	2500:5	0.3	0.3	0.3	0.3	0.3
CT401-302	3000:5	0.3	0.3	0.3	0.3	0.3
CT401-322	3200:5	0.3	0.3	0.3	0.3	0.3
CT401-402	4000:5	0.3	0.3	0.3	0.3	0.3



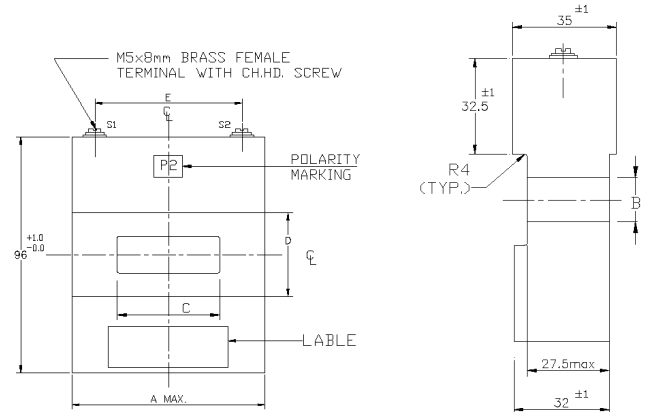
Rectangular Current Transformers

Model CT407

Window 3.26" x 0.71", 600V, 10kV BIL Full Wave



DIMENSIONS: All dimensions are in mm



INSULATION LEVEL
600V; BIL 10kV

FREQUENCY
50/60 Hz.

THERMAL RATING
2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient

OUTER ENCAPSULATION
Resin casted PU/ epoxy

SECONDARY TERMINALS
Brass screw with one flat washer and lock washer

RATIO	A max.	B +1.0 -0.0	C +1.0 -0.0	D ±1	E
400/5A	78.3	11	43	31	60
630/5A	78.3	11	43	31	60
800/5A	78.3	11	43	31	60
1000/5A	78.3	15	43	31	60
1250/5A	78.3	15	43	31	60
1600/5A	108.3	18	83	31	90
2000/5A	108.3	18	83	31	90
2500/5A	155.3	18	123	31	140
3200/5A	155.3	18	123	31	140

Catalog Number	Current Ratio	l (mm)
CT 05-XXX	00:5 A to 00:5A	3 X 11
CT 06-XXX	1000:5A to 1250:5A	3 X 15
CT 07-XXX	1600:5A to 2000:5A	3 X 1
CT 0 -XXX	2500:5A to 3200:5A	123 X 1

Burden VA	Accuracy class (50 Hz.) I C 60044
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0

Rectangular Current Transformers

Model CT402

Window 3.75" x 4.75", 600V, 10kV BIL Full Wave



INS LA ION LE EL
0.6 V; BIL 10kV full wave

RE ENC
50 - 400 Hz.

RA IN AC OR
1.33 @ 30 deg. C ambient

O ERENCA S LA ION
Plastic Case

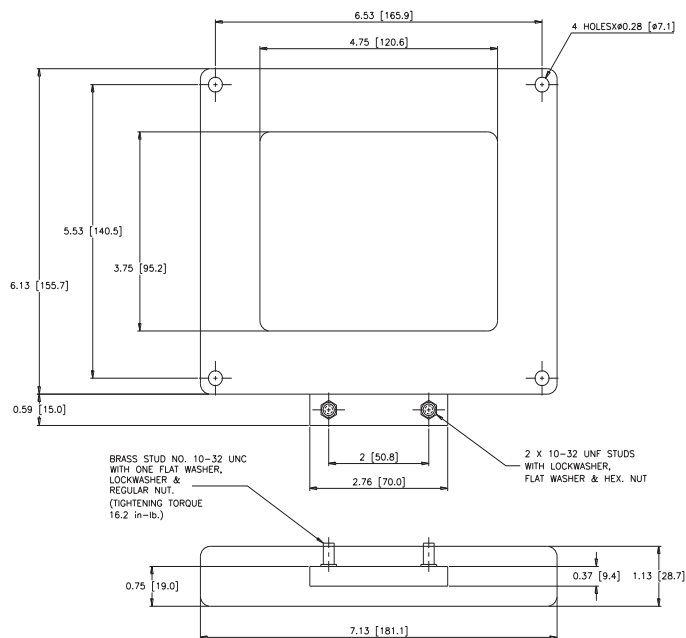
ERMINALS
Brass studs No 10-32 NC with one flat washer, lockwasher and regular nut.

A RO EI H
12. lbs.



Equivalent to GE-ITI MODEL 567

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



Ca alo N m er	C rren Ra io	ANSI Me	
		B0.1	B0.2
CT402-201	200:5	2.4	2.4
CT402-251	250:5	1.2	2.4
CT402-301	300:5	1.2	1.2
CT402-401	400:5	0.6	1.2
CT402-501	500:5	0.6	0.6
CT402-601	600:5	0.6	0.6
CT402-751	750:5	0.3	0.6
CT402-801	800:5	0.3	0.6
CT402-102	1000:5	0.3	0.3
CT402-122	1200:5	0.3	0.3
CT402-152	1500:5	0.3	0.3
CT402-162	1600:5	0.3	0.3
CT402-202	2000:5	0.3	0.3
CT402-252	2500:5	0.3	0.3
CT402-302	3000:5	0.3	0.3
CT402-322	3200:5	0.3	0.3

Accuracy Class at 60Hz

B0.5	B0.9	B1.8
-	-	-
-	-	-
2.4	-	-
2.4	2.4	-
1.2	2.4	-
1.2	1.2	2.4
0.6	1.2	2.4
0.6	1.2	1.2
0.6	0.6	1.2
0.3	0.6	0.6
0.3	0.3	0.6
0.3	0.3	0.6
0.3	0.3	0.6
0.3	0.3	0.3
0.3	0.3	0.3
0.3	0.3	0.3

Rectangular Current Transformers

Model CT400

Window 4.00" x 5.38", 600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 562

INS LA ION LE EL
0.6 V; BIL 10kV full wave

RE ENC
60 Hz.

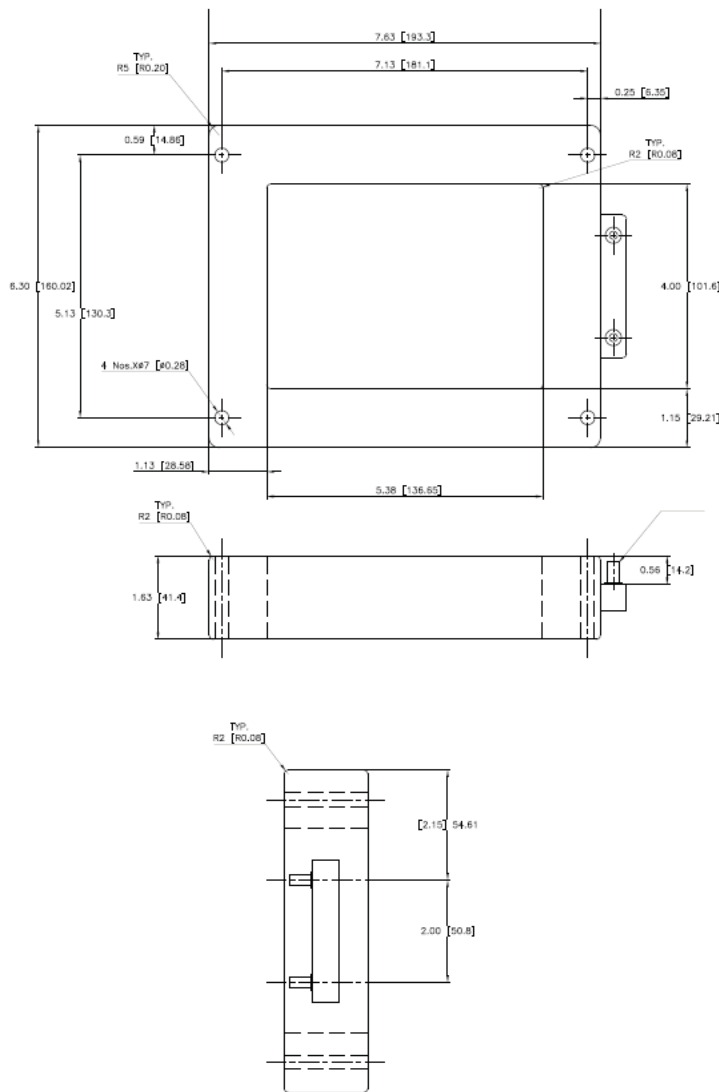
RA IN AC OR
1.33 @ 30 deg. C ambient
1.00 @ 55 deg. C ambient

O ERENCA S LA ION
Plastic Case

ERMINALS
Brass studs No 10-32 NC with one flat washer,
lockwasher and regular nut.

A RO EI H
12. lbs.

DIMENSIONS: All dimensions are in mm



CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS AT 60 Hz				
		B0.1	B0.2	B0.5	B0.9	B1.8
CT400-202	2000:5	0.3	0.3	0.3	0.6	0.6
CT400-252	2500:5	0.3	0.3	0.3	0.3	0.6
CT400-302	3000:5	0.3	0.3	0.3	0.3	0.6
CT400-322	3200:5	0.3	0.3	0.3	0.3	0.6
CT400-352	3500:5	0.3	0.3	0.3	0.3	0.3
CT400-402	4000:5	0.3	0.3	0.3	0.3	0.3

Rectangular Current Transformers



Model CT409

Window 4.25" x 1.18", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

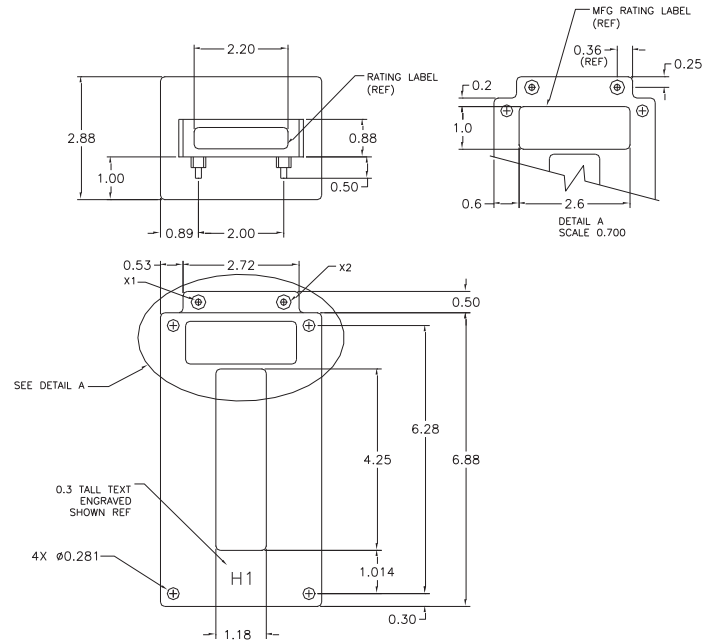
REQUENCY
50-400 Hz

TERMINAL RESISTANCE
1.33 @ 30 deg. C ambient
1.5 @ 50 deg. C ambient

OPERATING CLASSIFICATION
Plastic Cased

SECONDARY TERMINALS
Brass screw -32 with one flat washer and lock washer

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS (@ 60 HZ)	ANSI METERING CLASS @ 60 HZ
			B0.1
CT409-101	100:5	N/A	2.4
CT409-151	150:5	N/A	1.2
CT409-201	200:5	N/A	0.6
CT409-251	250:5	C10	0.6
CT409-301	300:5	C10	0.6
CT409-401	400:5	C20	0.3
CT409-501	500:5	C20	0.3
CT409-601	600:5	C20	0.3
CT409-751	750:5	C20	0.3
CT409-801	800:5	C20	0.3
CT409-102	1000:5	C20	0.3
CT409-122	1200:5	C50	0.3
CT409-152	1500:5	C50	0.3
CT409-162	1600:5	C50	0.3
CT409-202	2000:5	C50	0.3

ANSI METERING CLASS @ 60 HZ				SECONDARY WINDING RESISTANCE (Ω@75° C)
B0.2	B0.5	B0.9	B1.8	
1.2	-	-	-	0.0313
1.2	-	-	-	0.0236
1.2	2.4	-	-	0.0651
0.6	2.4	-	-	0.0460
0.6	1.2	2.4	-	0.0760
0.3	0.6	2.4	-	0.1063
0.3	0.6	1.2	2.4	0.1394
0.3	0.3	1.2	1.2	0.1509
0.3	0.3	0.6	1.2	0.1858
0.3	0.3	0.3	0.6	0.2091
0.3	0.3	0.3	0.6	0.2673
0.3	0.3	0.3	0.3	0.3480
0.3	0.3	0.3	0.3	0.3948
0.3	0.3	0.3	0.3	0.4180
0.3	0.3	0.3	0.3	0.5109

Rectangular Current Transformers



Model CT410

Window 4.29" x 3.24", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

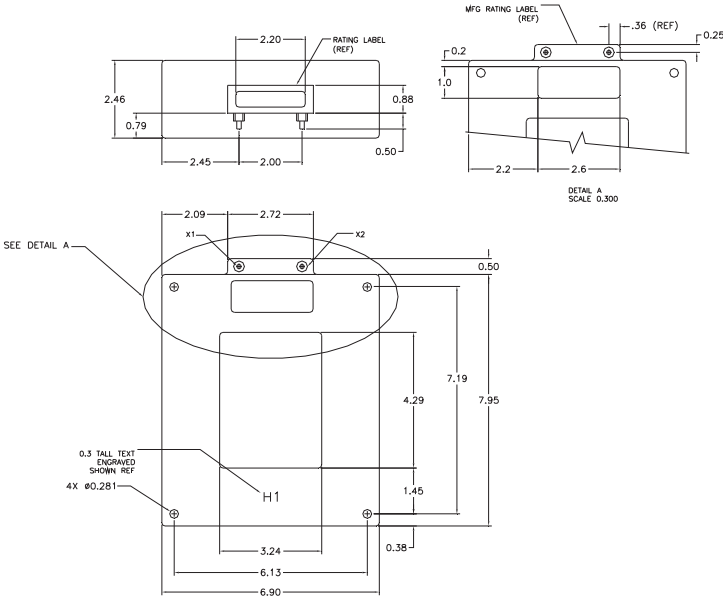
FREQUENCY
50-400 Hz

THERMAL RATING
1.33 @ 30 deg. C ambient
1.00 @ 55 deg. C ambient

OUTER ENCAPSULATION
Plastic Cased

SECONDARY TERMINALS
Brass screw -32 with one flat washer and lock washer, accessible from either side

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



C A T A L O G N U M B E R	C U R R E N T R A T I O	R A T I O C O E F F I C I E N T (6 0 H z)	A N S I M T	
			B0.1	B0.2
CT410-101	100:5	-	2.4	2.4
CT410-151	150:5	C10	2.4	2.4
CT410-201	200:5	C10	0.6	1.2
CT410-251	250:5	C10	0.6	1.2
CT410-301	300:5	C20	0.6	0.6
CT410-401	400:5	C20	0.3	0.6
CT410-501	500:5	C20	0.3	0.3
CT410-601	600:5	C50	0.3	0.3
CT410-751	750:5	C50	0.3	0.3
CT410-801	800:5	C50	0.3	0.3
CT410-102	1000:5	C50	0.3	0.3
CT410-122	1200:5	C100	0.3	0.3
CT410-152	1500:5	C50	0.3	0.3
CT410-162	1600:5	C50	0.3	0.3
CT410-202	2000:5	C50	0.3	0.3
CT410-252	2500:5	C100	0.3	0.3
CT410-302	3000:5	C50	0.3	0.3
CT410-322	3200:5	C50	0.3	0.3

R I N C A 6 0 H			C O N A R I N I N R I T A N C (Q @ 7 5 ° C)
B0.5	B0.	B1.	
-	-	-	0.03356
-	-	-	0.03 30
2.	-	-	0.0 760
1.2	2.	2.	0.0 670
1.2	1.2	2.	0.0 350
0.6	1.2	2.	0.150 7
0.6	0.6	1.2	0.1 5 0
0.3	0.6	0.6	0.21136
0.3	0.3	0.6	0.26710
0.3	0.3	0.6	0.2 030
0.3	0.3	0.3	0.36002
0.3	0.3	0.3	0.3 0
0.3	0.3	0.3	0. 1 10
0.3	0.3	0.3	0. 2 60
0.3	0.3	0.3	0.603 0
0.3	0.3	0.3	0.70 0
0.3	0.3	0.3	0.65030
0.3	0.3	0.3	0.70 0

Rectangular Current Transformers



Model CT411

Window 4.25" x 5.67", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

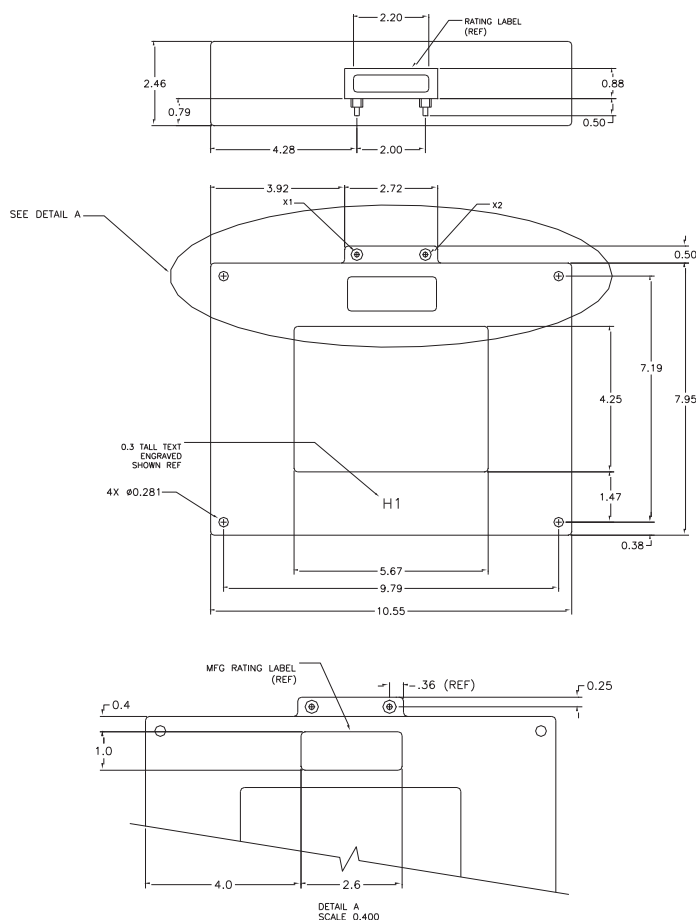
RE ENCL
50-400 Hz

HERMAL RATING
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

OTHER FEATURES
Plastic Cased

SECONDARY TERMINALS
Brass screw -32 with one flat washer and lock washer, accessible from either side

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS (@ 60 HZ)	A
			B0.1
CT411-202	2000:5	C100	0.3
CT411-252	2500:5	C100	0.3
CT411-302	3000:5	C100	0.3
CT411-322	3200:5	C100	0.3
CT411-402	4000:5	C50	0.3
CT411-502	5000:5	C50	0.3

NSI METERING CLASS @ 60 HZ				SECONDARY WINDING RESISTANCE (Ω @ 75° C)
B0.2	B0.5	B0.9	B1.8	
0.3	0.3	0.3	0.3	0.5450
0.3	0.3	0.3	0.3	0.6387
0.3	0.3	0.3	0.3	0.7781
0.3	0.3	0.3	0.3	0.8477
0.3	0.3	0.3	0.3	0.8245
0.3	0.3	0.3	0.3	1.0450

Rectangular Current Transformers

Model CT420

Window 4.26" x 2.77", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

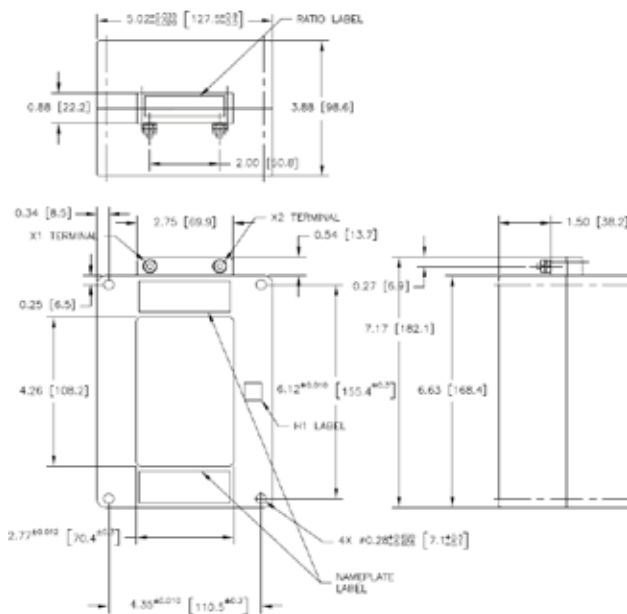
RE-ENCLOSURE
60-400 Hz

HERMAL RATING
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

OTHER FEATURES
Plastic Cased

SECONDARY TERMINALS
Brass screw -32 with one flat washer, lock washer, and two regular nuts.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS (@ 60 HZ)	AM
			B0.1
CT420-101	100:5	N/A	2.4
CT420-151	150:5	C10	2.4
CT420-201	200:5	C10	0.6
CT420-251	250:5	C10	0.6
CT420-301	300:5	C20	0.6
CT420-401	400:5	C20	0.3
CT420-501	500:5	C20	0.3
CT420-601	600:5	C50	0.3
CT420-751	750:5	C50	0.3
CT420-801	800:5	C50	0.3
CT420-102	1000:5	C50	0.3
CT420-122	1200:5	C100	0.3
CT420-152	1500:5	C50	0.3
CT420-162	1600:5	C50	0.3
CT420-202	2000:5	C50	0.3
CT420-252	2500:5	C100	0.3
CT420-302	3000:5	C50	0.3
CT420-322	3200:5	C50	0.3

ISI METERING CLASS @ 60 HZ				SECONDARY WINDING RESISTANCE (Ω @ 75° C)
B0.2	B0.5	B0.9	B1.8	
2.4	-	-	-	0.0270
2.4	-	-	-	0.0321
1.2	2.4	2.4	-	0.0465
1.2	1.2	2.4	2.4	0.1084
0.6	1.2	1.2	2.4	0.1287
0.6	0.6	1.2	2.4	0.1702
0.3	0.6	0.6	1.2	0.2112
0.3	0.3	0.6	0.6	0.2791
0.3	0.3	0.3	0.6	0.3146
0.3	0.3	0.3	0.6	0.3344
0.3	0.3	0.3	0.3	0.4178
0.3	0.3	0.3	0.3	0.6801
0.3	0.3	0.3	0.3	0.6435
0.3	0.3	0.3	0.3	0.6862
0.3	0.3	0.3	0.3	0.8811
0.3	0.3	0.3	0.3	1.0872
0.3	0.3	0.3	0.3	1.1968
0.3	0.3	0.3	0.3	1.2914

Rectangular Current Transformers

Model CT408

Window 4.84" x 0.71", 600V, 10kV BIL Full Wave



INSULATION LEVEL
600V; BIL 10kV

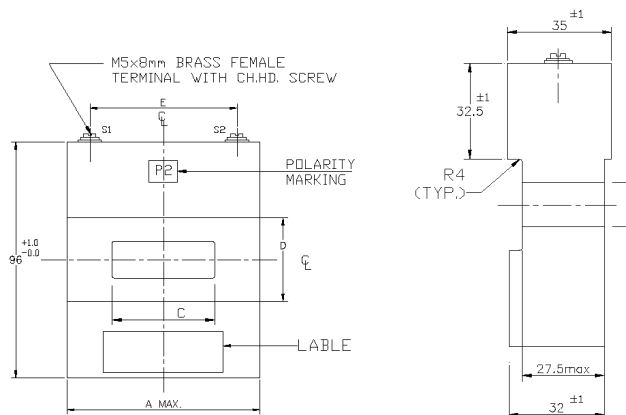
FREQUENCY
50/60 Hz.

THERMAL RATING
2.0 @ 30 deg. C ambient
1.5 @ 55 deg. C ambient

OUTER ENCAPSULATION
Resin casted PU/ poxy

SECONDARY TERMINALS
Brass screw with one flat washer and lock washer

DIMENSIONS: All dimensions are in mm



RATIO	A max.	B +1.0 -0.0	C +1.0 -0.0	D ±1	E
400/5A	78.3	11	43	31	60
630/5A	78.3	11	43	31	60
800/5A	78.3	11	43	31	60
1000/5A	78.3	15	43	31	60
1250/5A	78.3	15	43	31	60
1600/5A	108.3	18	83	31	90
2000/5A	108.3	18	83	31	90
2500/5A	155.3	18	123	31	140
3200/5A	155.3	18	123	31	140

Catalog Number	Current Ratio	l (mm)
CT 05-XXX	00:5 A to 00:5A	3 X 11
CT 06-XXX	1000:5A to 1250:5A	3 X 15
CT 07-XXX	1600:5A to 2000:5A	3 X 1
CT 0 -XXX	2500:5A to 3200:5A	123 X 1

Burden VA	Accuracy class (50 Hz.) I C 60044
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0
1 VA to 10 VA	Class 0.2 to Class 1.0

Rectangular Current Transformers



Model CT421

Window 5.85" x 4.25", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

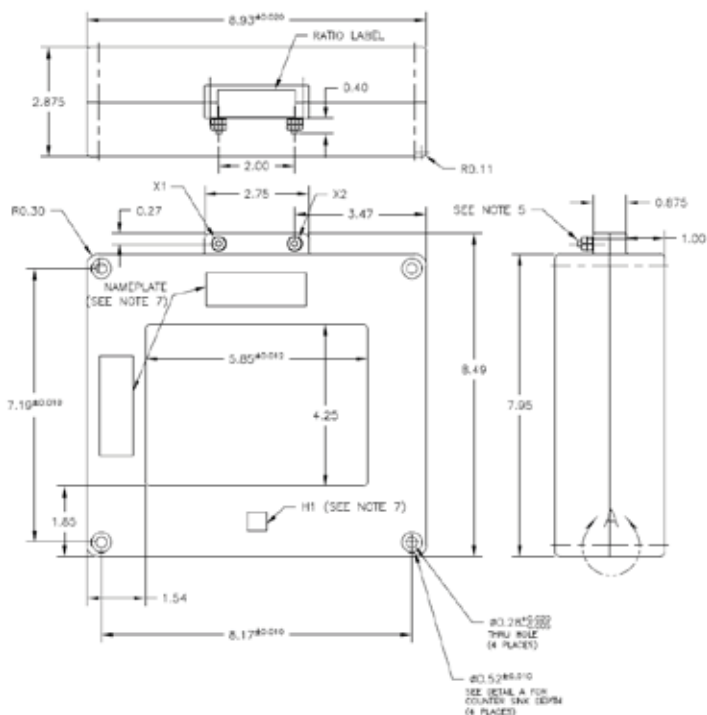
RECOMMENDED
60-400 Hz

TERMINAL RATING
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

OTHER FEATURES
Plastic Cased

SECONDARY TERMINALS
Brass screw -32 with one flat washer and lock washer, and two regular hex nuts.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	RELAY CLASS (@ 60 HZ)	
			B0.1
CT421-202	2000:5	C100	0.3
CT421-252	2500:5	C100	0.3
CT421-302	3000:5	C100	0.3
CT421-322	3200:5	C100	0.3
CT421-402	4000:5	C50	0.3
CT421-502	5000:5	C50	0.3

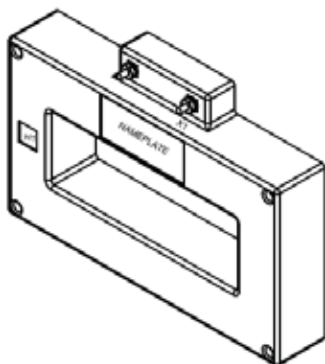
ANSI METERING CLASS @ 60 HZ				SECONDARY WINDING RESISTANCE (Ohms @75° C)
B0.2	B0.5	B0.9	B1.8	
0.3	0.3	0.3	0.3	0.6875
0.3	0.3	0.3	0.3	0.8555
0.3	0.3	0.3	0.3	1.0634
0.3	0.3	0.3	0.3	1.1332
0.3	0.3	0.3	0.3	1.0968
0.3	0.3	0.3	0.3	1.3005

Rectangular Current Transformers



Model CT422

Window 6.33" x 2.13", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

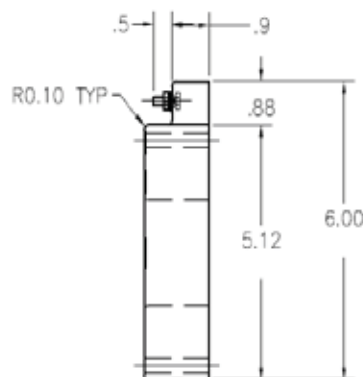
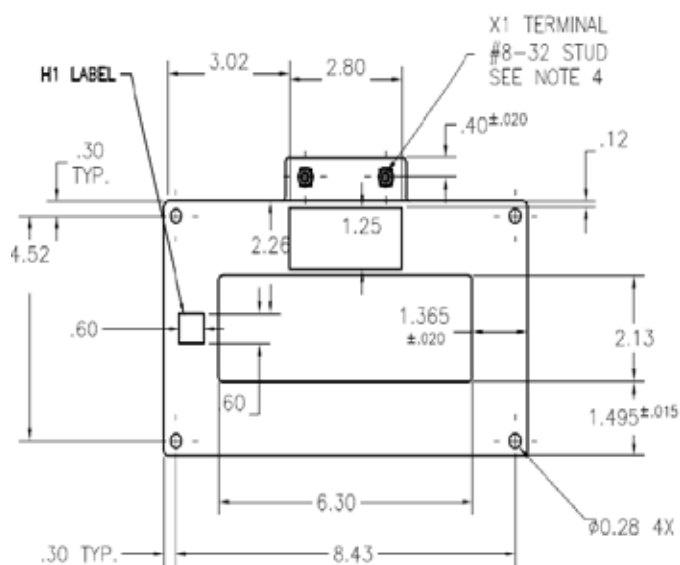
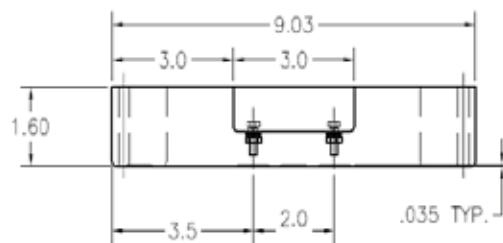
RE-ENCLOSURE
60-400 Hz

HERMAL RATING
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

OTHER FEATURES
Fully encapsulated Casted Construction for Indoor use.

SECONDARY TERMINALS
Brass stud #32, supplied with one flat, one lock washer, and one regular hex nut.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



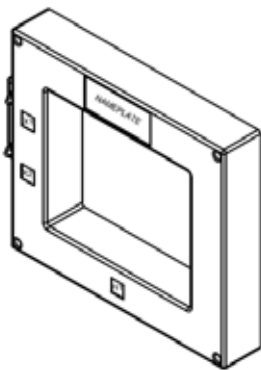
CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS @ 60 HZ				
		B0.1	B0.2	B0.5	B0.9	B1.8
CT422-252-01	2500:5	0.3	0.3	0.3	0.3	0.3
CT422-302-01	3000:5	0.3	0.3	0.3	0.3	0.3
CT422-402-01	4000:5	0.3	0.3	0.3	0.3	0.3
CT422-502-01	5000:5	0.3	0.3	0.3	0.3	0.3
CT422-602-01	6000:5	0.3	0.3	0.3	0.3	0.3

Rectangular Current Transformers



Model CT423

Window 6.30" x 5.17", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

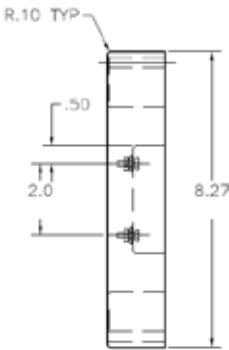
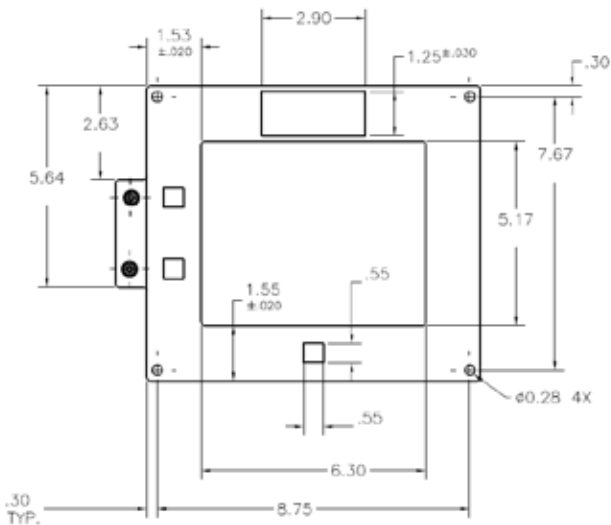
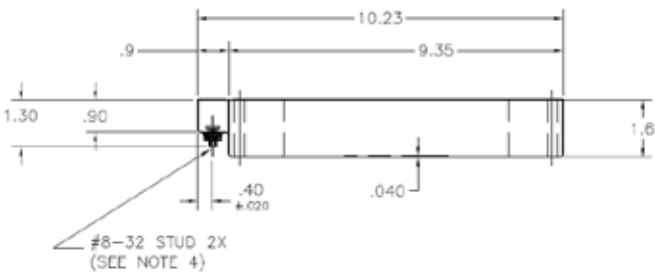
RECOMMENDED
60-400 Hz

TEMPERATURE RATING
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

OTHER FEATURES
Fully encapsulated Casted Construction for Indoor use.

SECONDARY TERMINALS
Brass stud #32, supplied with one flat, one lock washer, and one regular hex nut.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



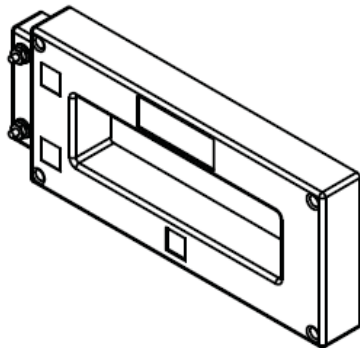
CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS @ 60 HZ				
		B0.1	B0.2	B0.5	B0.9	B1.8
CT423-402-01	4000:5	0.3	0.3	0.3	0.3	0.3
CT423-502-01	5000:5	0.3	0.3	0.3	0.3	0.3
C 423-602-01	6000:5	0.3	0.3	0.3	0.3	0.3

Rectangular Current Transformers



Model CT424

Window 6.33" x 1.79", 600V, 10kV BIL



INSULATION LEVEL
600 V, BIL 10kV full wave

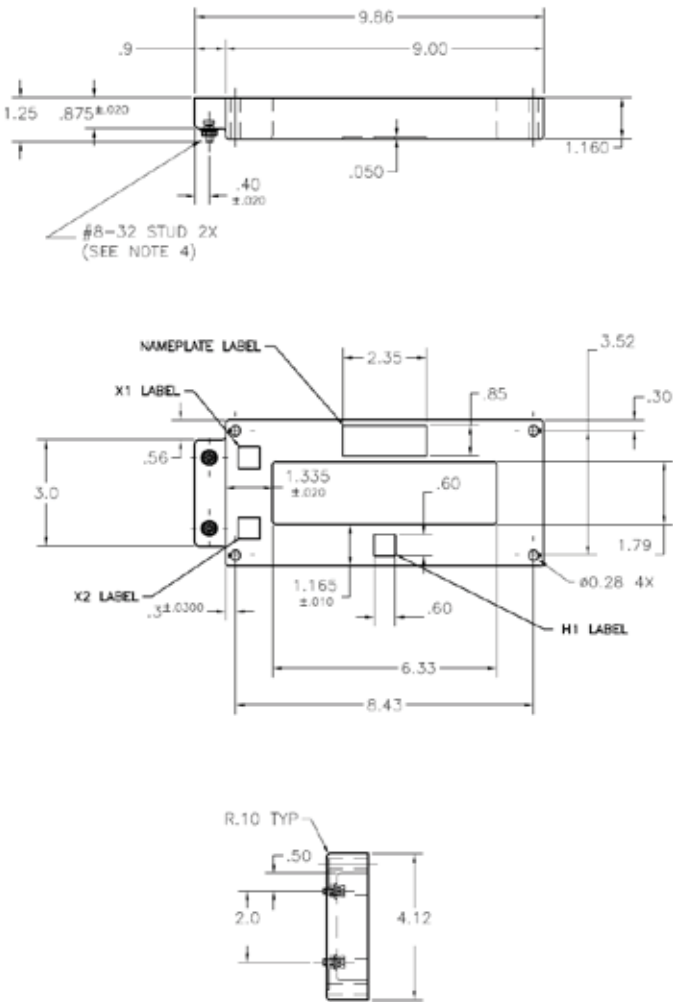
RENDERING
60-400 Hz

TEMPERATURE RATING
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

OTHER FEATURES
Fully encapsulated Casted Construction for Indoor use.

SECONDARY TERMINALS
Brass stud -32, supplied with one flat, one lock washer, and one regular hex nut.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS @ 60 HZ				
		B0.1	B0.2	B0.5	B0.9	B1.8
CT424-252-01	2500:5	0.3	0.3	0.3	0.3	0.6
CT424-302-01	3000:5	0.3	0.3	0.3	0.3	0.3

Rectangular Current Transformers



Model CT427

Window 6.90" x 3.15", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 585

INS LA ION LE EL
600 V, BIL 10kV full wave

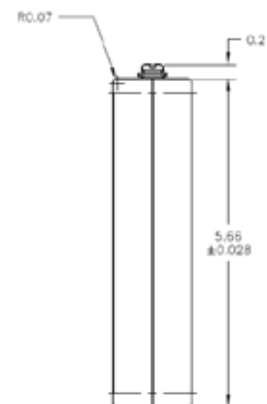
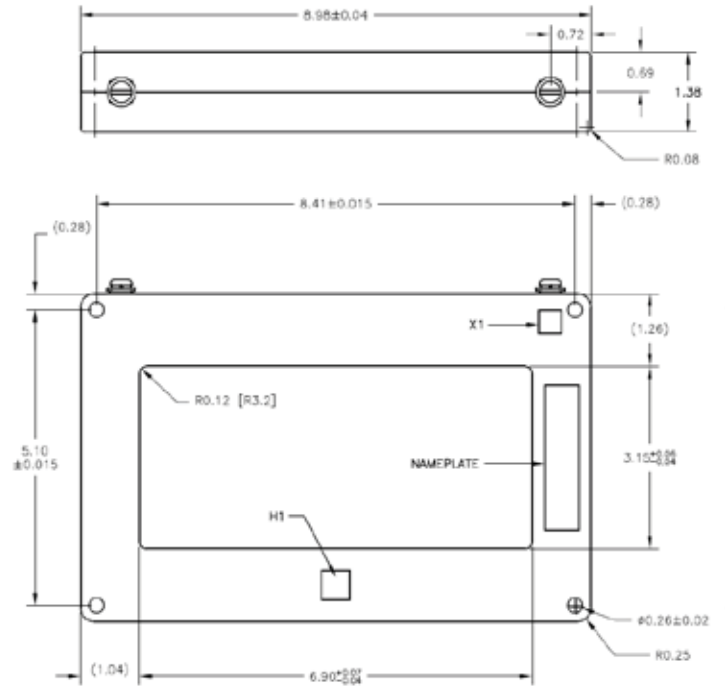
RE ENC
50-400 Hz

HERMAL RA IN
1.33 @ 30 deg. C ambient
1.0 @ 55 deg. C ambient

O ERENCA S LA ION
Plastic Cased

SECONDAR ERMinals
Brass screw 10-32 with one flat washer and lock washer

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO	ANSI METERING CLASS @ 60 HZ				
		B0.1	B0.2	B0.5	B0.9	B1.8
CT427-202	2000:5	0.3	0.3	0.6	0.6	1.2
CT427-252	2500:5	0.3	0.3	0.6	0.6	1.2
CT427-302	3000:5	0.3	0.3	0.6	0.6	0.6
CT427-322	3200:5	0.3	0.3	0.6	0.6	0.6
CT427-402	4000:5	0.3	0.3	0.3	0.3	0.6
CT427-502	5000:5	0.3	0.3	0.3	0.3	0.3
CT427-602	6000:5	0.3	0.3	0.3	0.3	0.3

Rectangular Current Transformers



Model CT428

Window 22.06" x 8.06", 600V, 10kV BIL



Equivalent to GE-ITI MODEL 593, 594 and ABB MODEL BYZ-L

INS LA ION LE EL
600 V, BIL 10kV full wave

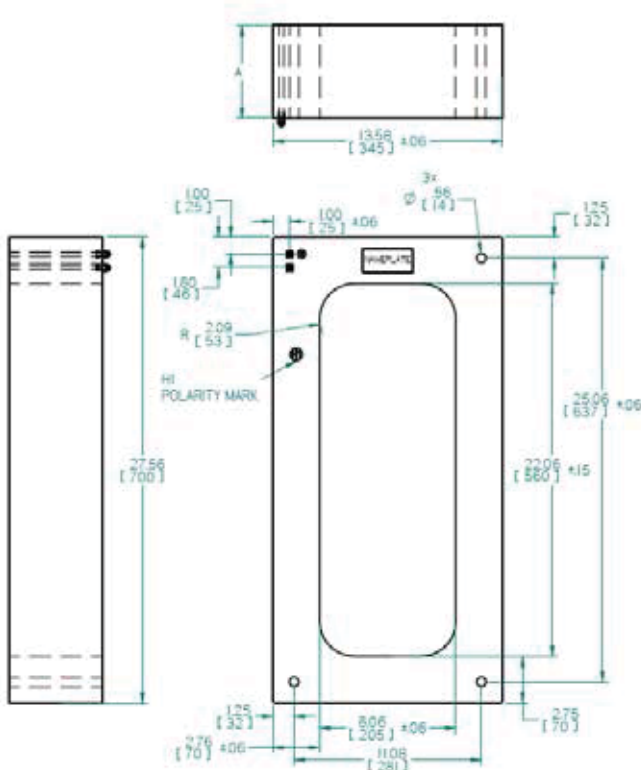
RE ENC
50-400 Hz

O ER ENCA S LA ION
Resin ncapsulated

SECONDAR ERMINALS
Brass screw 10-32 with one flat washer and lock washer

CATALOG NUMBER	CURRENT RATIO	Rela Class	THERMAL RATING		DE TH "A"
			30 C	55 C	
CT428-500	50:5	C10	2.0	2.0	4.5
CT428-750	75:5	C20	2.0	2.0	5.5
CT428-101	100:5	C30	2.0	2.0	5.5
CT428-151	150:5	C50	2.0	2.0	5.5
CT428-201	200:5	C50	2.0	2.0	5.5
CT428-301	300:5	C100	2.0	2.0	5.5
CT428-401	400:5	C100	2.0	2.0	5.5
CT428-501	500:5	C200	2.0	2.0	5.5

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES _____):



AMRAN
INSTRUMENT TRANSFORMERS

Window 12.80" x 13.58", 600V, 10kV BIL



A	RO	EI	H
5 lbs.			

CATALOG NUMBER	CURRENT RATIO	RELAY CLASS @ 60Hz	THERMAL RATING 30 C
CT 2340-101DR	100/50:5	C20 @ 100:5 C10 @ 50:5	2.0

[illegible]

Auxiliary Current Transformers

Model CT550

600V, 10kV BIL



Equivalent to GE-ITI MODEL 190, 190X

INSULATION LEVEL
0.6 V; BIL 10kV full wave

RENC
50-400 Hz.

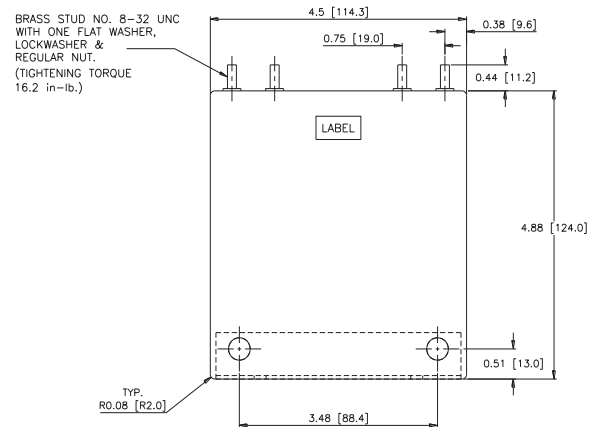
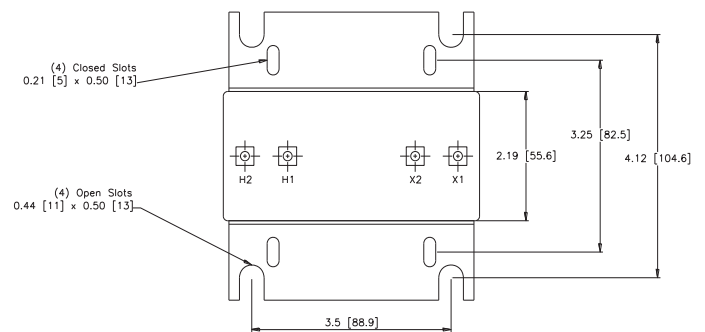
RATING
1.33 @ 30 deg. C ambient

OTHER FEATURES
Plastic Cased. Mounting Brackets included.

TERMINALS
Brass studs No. 8-32 UNC with one flat washer, lockwasher and regular nut.

WEIGHT
2. lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CATALOG NUMBER	CURRENT RATIO
CT550-0100	5:0.100
CT550-0200	5:0.200
CT550-0250	5:0.250
CT550-0500	5:0.500
CT550-0625	5:0.625
CT550-1000	5:1.000
CT550-1250	5:1.250
CT550-1667	5:1.667
CT550-2000	5:2.000
CT550-2395	5:2.395
CT550-2500	5:2.500
CT550-2890	5:2.890
CT550-3000	5:3.000
CT550-3330	5:3.330
CT550-3750	5:3.750
CT550-4000	5:4.000
CT550-5000	5:5.000
CT550-5330	5:5.330

CATALOG NUMBER	CURRENT RATIO
CT550-6250	5:6.250
CT550-7500	5:7.500
CT550-8000	5:8.000
CT550-10000	5:10.000
CT550-12500	5:12.500
CT550-15000	5:15.000
CT550-1500-5	1.500:5
CT550-1667-5	1.667:5
CT550-2500-5	2.500:5
CT550-2875-5	2.875:5
CT550-7500-5	7.500:5
CT550-10500-5	10.500:5
CT550-0500-1	0.500:1
CT550-0923-1	0.923:1
CT550-0400-1	0.400:1
CT550-5 2-5	5+5:5
CT550-5 3-5	5+5+5:5
CT550-5 4-5	5+5+5+5:5
CT550-5 5-5	5+5+5+5+5:5

AMRAN
INSTRUMENT TRANSFORMERS

600V, 10kV BIL Full Wave



CATALOG NUMBER	VOLTAGE RATING	URNS RATIO	ACCURACY
T101-069	69.3:120	0.58:1	0.6% @ 7.5VA
T101-120	120:120	1:1	0.6% @ 7.5VA
T101-208	208:120	1.73:1	0.6% @ 7.5VA
T101-240	240:120	2.1	0.6% @ 7.5VA
T101-277	277:120	2.31:1	0.6% @ 7.5VA
T101-288	288:120	2.4:1	0.6% @ 7.5VA
T101-300	300:120	2.5:1	0.6% @ 7.5VA
T101-346	346:120	2.88:1	0.6% @ 7.5VA
T101-360	360:120	3:1	0.6% @ 7.5VA
T101-480	480:120	4:1	0.6% @ 7.5VA
T101-600	600:120	5:1	0.6% @ 7.5VA

APPROX. WEIGHT
5 lbs.

[illegible]

600V, 10kV BIL Full Wave



CATALOG NUMBER	VOLTAGE RATING	URNS RATIO	RECOMMENDED SECONDARY USE RATING
T100-069	69.3:120	0.58:1	1.6 Amp
T100-120	120:120	1:1	1.6 Amp
T100-208	208:120	1.73:1	1.6 Amp
T100-240	240:120	2.1	1.6 Amp
T100-277	277:120	2.31:1	1.6 Amp
T100-288	288:120	2.4:1	1.6 Amp
T100-300	300:120	2.5:1	1.6 Amp
T100-346	346:120	2.88:1	1.6 Amp
T100-480	480:120	4:1	1.6 Amp
T100-600	600:120	5:1	1.6 Amp

APPROX. WEIGHT
7.75 lbs.

Technical drawing of a rectangular table with dimensions and assembly details.

Table Dimensions:

- Top edge: 16.38 [0.65]
- Left edge: 62.48 [2.46]
- Right edge: 76.2 [3.00]
- Bottom edge: 95.25 [3.750]
- Overall width: 92.2 [3.630]
- Overall height: 95.25 [3.750]
- Table top width: 73.15 [2.880]
- Table top height: 28.7 [1.130]

Assembly Details:

- 4Nos. HOLES X $\varnothing 7.11$ [$\varnothing 0.28$]
- TYP. RS [R0.20]
- ACRELIC COVER
- BRASS STUD NO. 8-32 UNC WITH ONE FLAT WASHER, LOCKWASHER & REGULAR NUT. (TIGHTENING TORQUE 16.2 in-lb.)

600 Volt Voltage Transformers



Model PT103

600V, 10kV BIL Full Wave



Equivalent to GE-ITI MODEL 469, 2VT469

INS LA ION LE EL
600 V; BIL 10kV full wave

RE ENC
60 Hz.

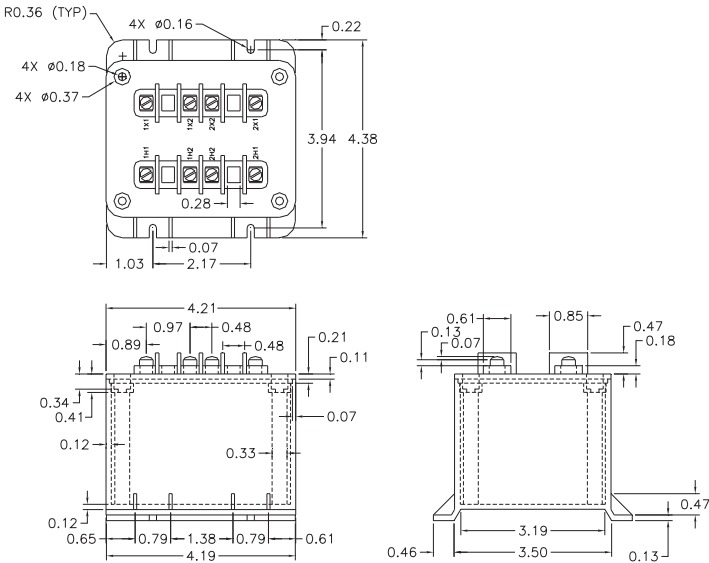
HERMAL RA IN S
40VA @ 30 deg. C ambient
2 VA @ 55 deg. C ambient

O ER ENCA S LA ION
Plastic cased

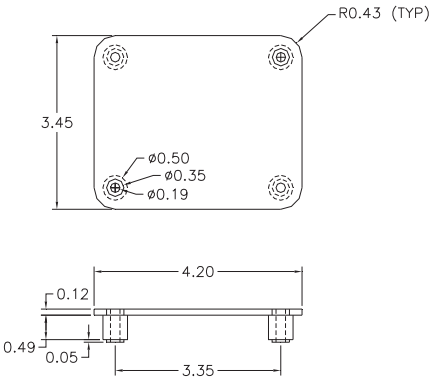
ERMINALS
6-32 screws with one lockwasher and one flatwasher

A RO EI H
4.5 lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



CLEAR PLASTIC COVER



CATALOG NUMBER	VOLTAGE RATIO	TURNS RATIO	RECOMMENDED RIMARY USE RATING
T103-069	69.3:120	0.58:1	1.5
T103-120	120:120	1:1	1.0
T103-208	208:120	1.73:1	0.5
T103-240	240:120	2:1	0.5
T103-227	277:120	2.31:1	0.5
T103-288	288:120	2.4:1	0.4
T103-300	300:120	2.5:1	0.4
T103-346	346:120	2.88:1	0.4
T103-480	480:120	4:1	0.25
T103-600	600:120	5:1	0.25

600 Volt Voltage Transformers



Model PT104

600V, 10kV BIL Full Wave

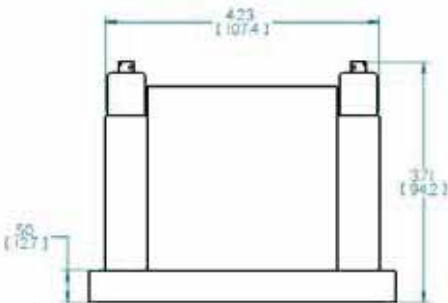
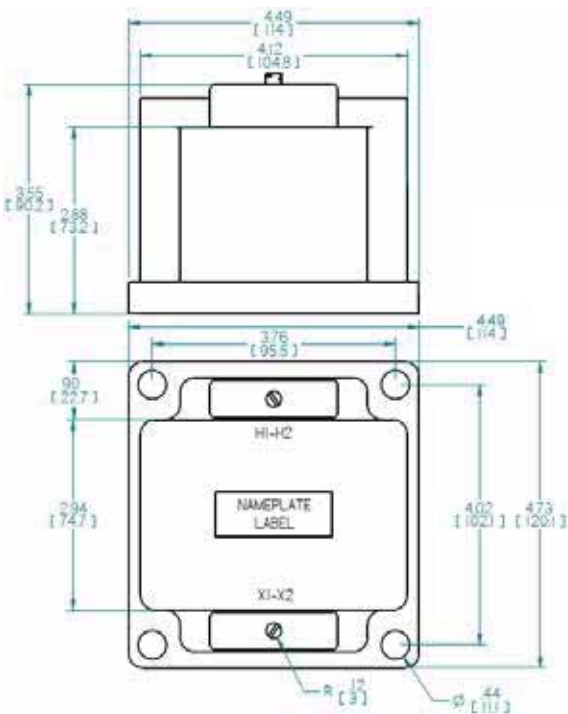


Equivalent to GE-ITI MODEL 460

INSULATION LEVEL 600 V; BIL 10kV full wave	OPERENCAS ION Polyurethane/ epoxy Resin encapsulated
RE ENC 60 Hz.	TERMINALS Brass studs No 10-32 with one flat washer, lockwasher and regular nut.
ACCURACY CLASS 0.6 , 1.2 @ 60Hz	WEIGHT 5 lbs.
HERMAL RATING 150 VA @ 30 deg. C ambient 100 VA @ 55 deg. C ambient	

CATALOG NUMBER	VOLTAGE RATING	TURNS RATIO	ACCURACY
T104-069	69.3:120	0.58:1	0.6 1.2X
T104-120	120:120	1:1	0.6 1.2X
T104-208	208:120	1.73:1	0.6 1.2X
T104-240	240:120	2:1	0.6 1.2X
T104-277	277:120	2.31:1	0.6 1.2X
T104-288	288:120	2.4:1	0.6 1.2X
T104-300	300:120	2.5:1	0.6 1.2X
T104-346	346:120	2.88:1	0.6 1.2X
T104-360	360:120	3:1	0.6 1.2X
T104-415	415:120	3.45:1	0.6 1.2X
T104-480	480:120	4:1	0.6 1.2X
T104-600	600:120	5:1	0.6 1.2X

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



Medium Voltage Current Transformers



Model C6.1

Maximum System Voltage 15.5kV, BIL 110 kV Full Wave

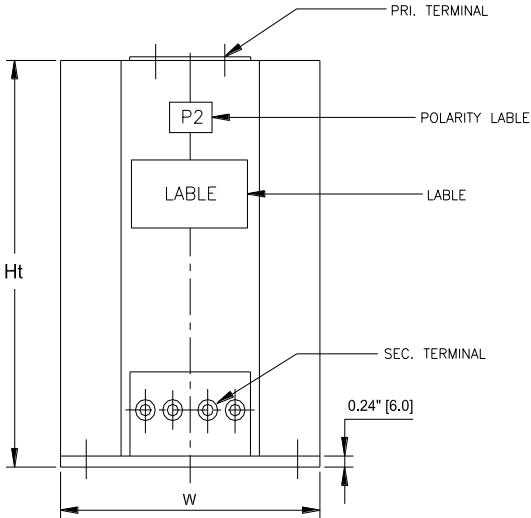
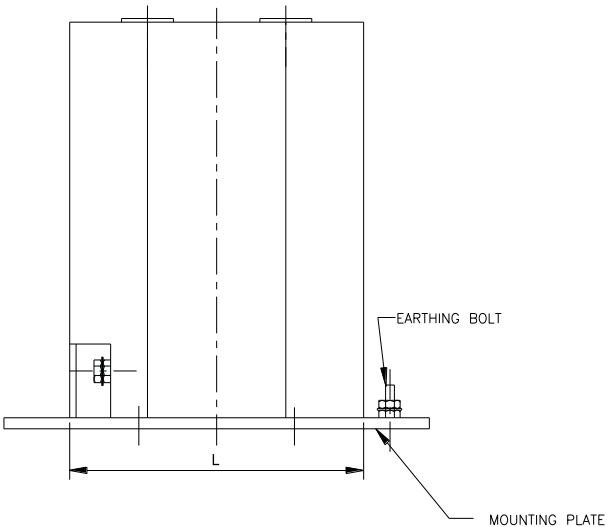


Equivalent to GE-ITI MODEL CTW5-L-110 / CTWH5-L-110

INSULATION LEVEL
RE-ENCLOSURE
50-400 Hz
CONSTRUCTION
HERMAL CLASSIFICATION
1.5 @ 30 deg. C ambient
1.33 @ 55 deg. C ambient
OVERENCLOSURE
Polyurethane/ epoxy Resin encapsulated
PRIMARY TERMINALS
Plated copper bars can be provided.
SECONDARY TERMINALS
10-32 Brass screw with one flat washer and lock washer
WEIGHT
5 lbs.
LEADS
ELEMENTARY IN CASE
Mounting holes/dimensions as per customer requirement at no additional cost

PRIMARY CURRENT	SECONDARY CURRENT	ACCURACY	BURDEN
UP TO 1000A	5A OR 1A	AS PER ANSI	AS PER ANSI
		AS PER IEC	AS PER IEC

- Relaying Accuracy of 100 C can have metering accuracy of 0.6B1.
- Relaying Accuracy of 200 C can have metering accuracy of 0.3B1.



M L	M	C	MM
W	L	t	
C6.1	5.90 150	7.87 200	8.46 215

Medium Voltage Current Transformers

Model C8.6

Maximum System Voltage 5.6kV, BIL 60 kV Full Wave



Equivalent to GE-ITI MODEL CTW3-60-T50 / CTWH3-60-T50

INSULATION LEVEL
5.6 kV, BIL 60 kV full wave

RE-ENCLOSURE
50-400 Hz

CONSTRUCTION
HERMALC RREINFORCED
AC OR
1.5 @ 30 deg. C ambient
1.33 @ 55 deg. C ambient

OPERATING ENVIRONMENT
Polyurethane/ epoxy Resin encapsulated

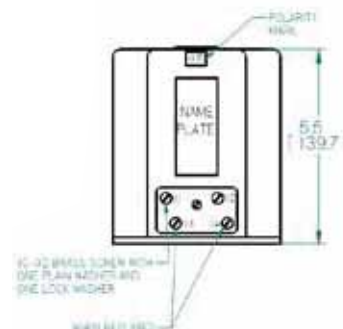
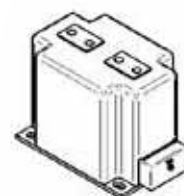
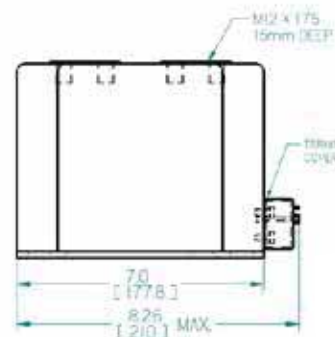
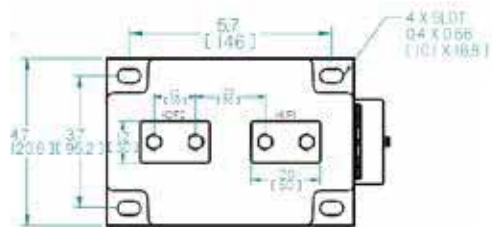
TERMINALS
1/2-1/3 bolts with one Belleville washer

SECONDARY TERMINALS
10-32 Brass screw with one flat washer and lock washer

WEIGHT
20 lbs;

Catalog Number	Current Ratio	Accuracy (60 Hz)					
		Relay Class	ANSI Metering Class				
			B0.1	B0.2	B0.5	B0.9	B1.8
C8.6-050	5:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-100	10:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-150	15:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-200	20:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-250	25:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-300	30:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-400	40:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-500	50:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-750	75:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-101	100:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-151	150:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-201	200:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-251	250:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-301	300:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-401	400:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-501	500:5	C50	0.3	0.3	0.3	0.6	1.2
C8.6-601	600:5	C50	0.3	0.3	0.3	0.6	1.2

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



Medium Voltage Current Transformers



Model C8.7

Maximum System Voltage 5.6kV, BIL 60 kV Full Wave



Equivalent to GE-ITI MODEL CTWH3-60-T100 and ABB MODEL KIR-60

INSULATION LEVEL
5.6 kV, BIL 60 kV full wave

REQUENCY
50-400 Hz

CONSTRUCTION
HERMETICALLY SEALED
1.5 @ 30 deg. C ambient
1.33 @ 55 deg. C ambient

OPERATING TEMPERATURE
Polyurethane/ epoxy Resin encapsulated

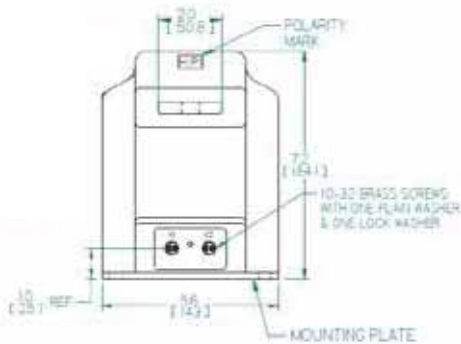
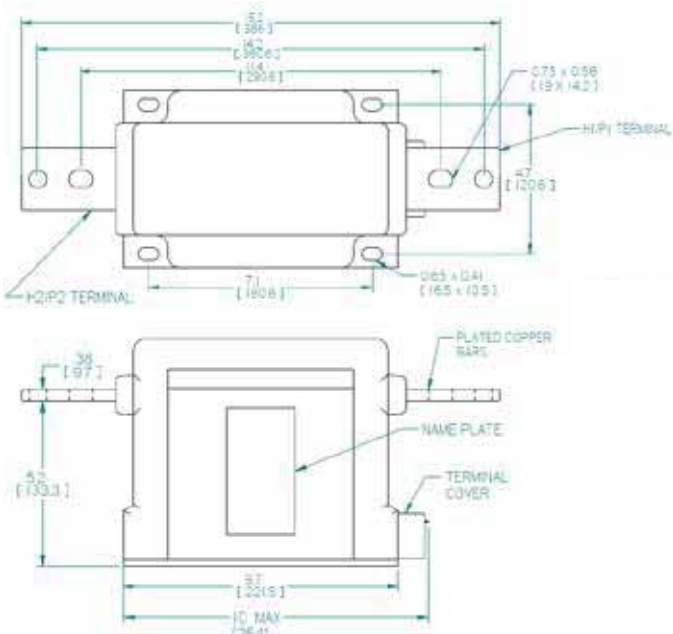
PRIMARY TERMINALS
Primary terminals are plated copper bars.

SECONDARY TERMINALS
10-32 Brass screw with one flat washer and lock washer

WEIGHT
41 lbs;

Catalog Number	Current Ratio	Accuracy (60 Hz)					
		Relay Class	ANSI Metering Class				
			B0.1	B0.2	B0.5	B0.9	B1.8
C8.7-050	5:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-100	10:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-150	15:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-200	20:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-250	25:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-300	30:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-400	40:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-500	50:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-750	75:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-101	100:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-151	150:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-201	200:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-251	250:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-301	300:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-401	400:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-601	600:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-801	800:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-102	1000:5	T100	0.3	0.3	0.3	0.3	0.3
C8.7-122	1200:5	T100	0.3	0.3	0.3	0.3	0.3

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



Medium Voltage Current Transformers

Model C18

Maximum System Voltage 5.6kV, BIL 60 kV Full Wave



Equivalent to GE-ITI MODEL CTW3-60-T50 / CTWH3-60-T50

INSULATION LEVEL
5.6 kV, BIL 60 kV full wave

RE-ENCLOSURE
50-400 Hz

CONSTRUCTION
HERMAL CURRENT RATING
1.5 @ 30 deg. C ambient
1.33 @ 55 deg. C ambient

OPERATING ENVIRONMENT
Polyurethane/ epoxy Resin encapsulated

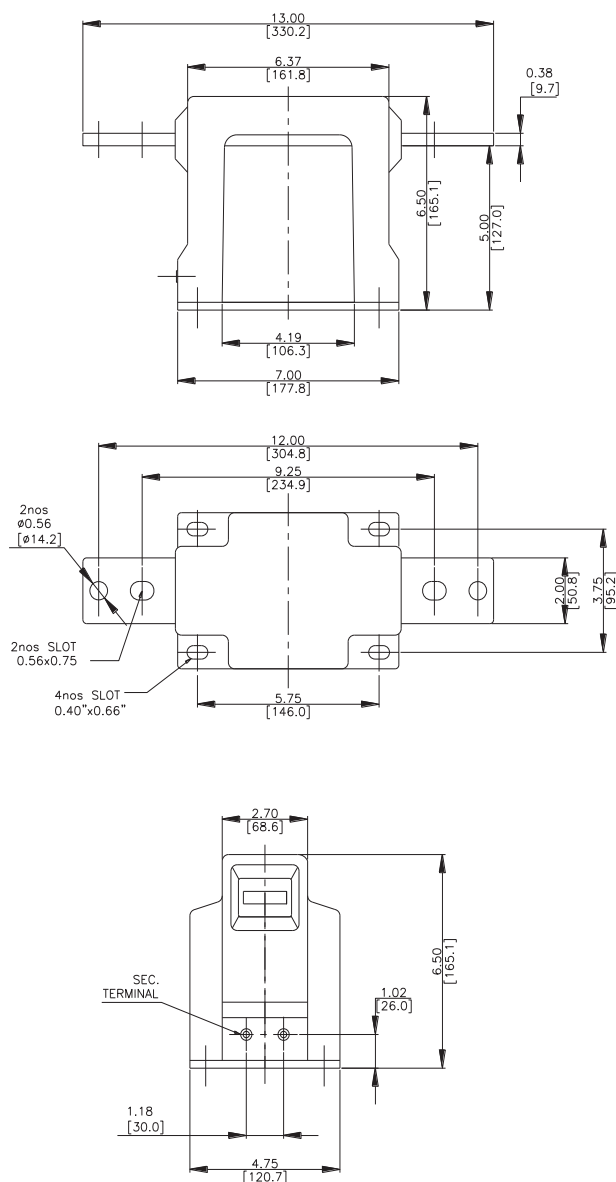
PRIMARY TERMINALS
1/2-1/3 bolts with one Belleville washer

SECONDARY TERMINALS
10-32 Brass screw with one flat washer and lock washer

WEIGHT
20 lbs;

Catalog Number	Current Ratio	Accuracy (60 Hz)					
		Relay Class	ANSI Metering Class				B1.8
			B0.1	B0.2	B0.5	B0.9	
C18-050	5:5	T50	0.3	0.3	0.3	0.6	1.2
C18-100	10:5	T50	0.3	0.3	0.3	0.6	1.2
C18-150	15:5	T50	0.3	0.3	0.3	0.6	1.2
C18-200	20:5	T50	0.3	0.3	0.3	0.6	1.2
C18-250	25:5	T50	0.3	0.3	0.3	0.6	1.2
C18-300	30:5	T50	0.3	0.3	0.3	0.6	1.2
C18-400	40:5	T50	0.3	0.3	0.3	0.6	1.2
C18-500	50:5	T50	0.3	0.3	0.3	0.6	1.2
C18-750	75:5	T50	0.3	0.3	0.3	0.6	1.2
C18-101	100:5	T50	0.3	0.3	0.3	0.6	1.2
C18-151	150:5	T50	0.3	0.3	0.3	0.6	1.2
C18-201	200:5	T50	0.3	0.3	0.3	0.6	1.2
C18-251	250:5	T50	0.3	0.3	0.3	0.6	1.2
C18-301	300:5	T50	0.3	0.3	0.3	0.6	1.2
C18-401	400:5	T50	0.3	0.3	0.3	0.6	1.2
C18-501	500:5	T50	0.3	0.3	0.3	0.6	1.2
C18-601	600:5	T50	0.3	0.3	0.3	0.6	1.2

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



Medium Voltage Single Phase Indoor Voltage Transformer

Model V9

Maximum System Voltage 5.6 kV, BIL 60kV Full Wave



INSULATION LEVEL
5.6 kV, BIL 60 kV full wave

RE-ENCLOSURE
60 Hz (50 Hz upon request)

ACCURACY CLASS
0.3 M, 1.2 @ 100 rated V, 120V based ANSI burden
0.6, 1.2M @ 5 rated V, 69.3V based ANSI burden

HERMAL RATING
50 VA @ 30 deg. C ambient
500 VA @ 55 deg. C ambient

OPERATING ENVIRONMENT
Polyurethane/poxy Resin encapsulated

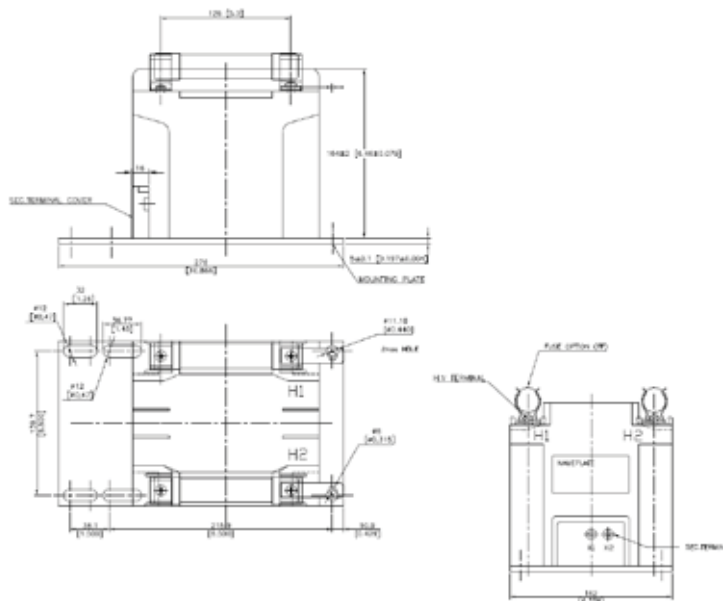
TERMINALS
1/4"-20 Brass screw with one flat washer and lock washer

SECONDARY TERMINALS
10-32 Brass screw with one flat washer and lock washer

WEIGHT
35 lbs.

DIMENSIONS: All dimensions are in millimeters [inches]

2 Fuse



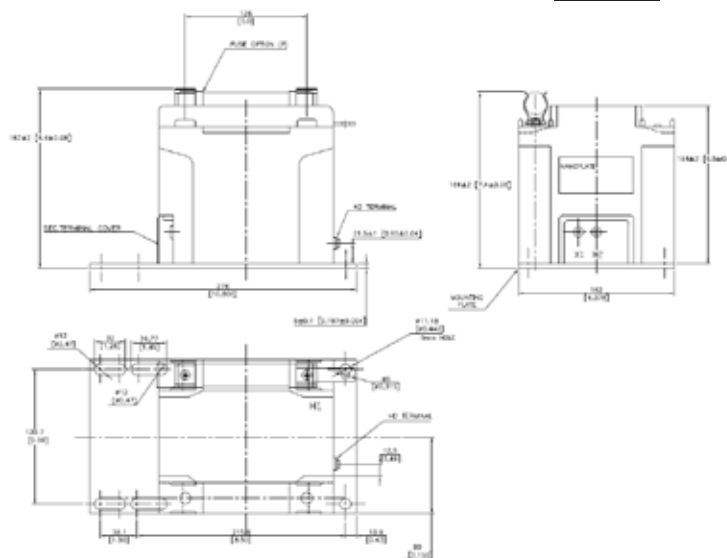
TWO BUSHING

CATALOG *	GROUP	PRIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE
V9-2-242	1	2400	20:1	120
V9-2-332	2	3300	30:1	110-50Hz
V9-2-422	2	4200	35:1	120
V9-2-482	2	4800	40:1	120

SINGLE BUSHING

CATALOG *	GROUP	PRIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE
V9-242	4A	2400	20:1	120
V9-332	4A	3300	30:1	110-50HZ
V9-422	4B	4200	35:1	120
V9-482	4B	4800	40:1	120

Single Fuse



- Standard use rating: 5.5kV, 0.5
- Fuse clips accept 1.0" diameter fuses with Max. length of 5.75"
- Fuses are intended to protect the system and not the PT in the event of a failure

AMRAN
INSTRUMENT TRANSFORMER

Maximum System Voltage 5.6 kV, BIL 60kV Full Wave



INS LA ION LE EL
5.6 kV, BIL 60 kV full wave

RE ENC
60 Hz (50 Hz upon re uest)

ACC RAC CLASS
0.3 M ,1.2 @ 100 rated V, 120V based ANSI burden
0.6 ,1.2M @ 5 rated V, 69.3V based ANSI burden

HERMAL RA IN
50 VA @ 30 deg. C ambient
500 VA @ 55 deg. C ambient

O ERENCA S LA ION
Polyurethane/ poxy Resin ncapsulated

RIMAR ERMINALS
1/4 -20 Brass screw with one flat washer and lock washer

SECONDAR ERMINALS
10-32 Brass screw with one flat washer and lock washer

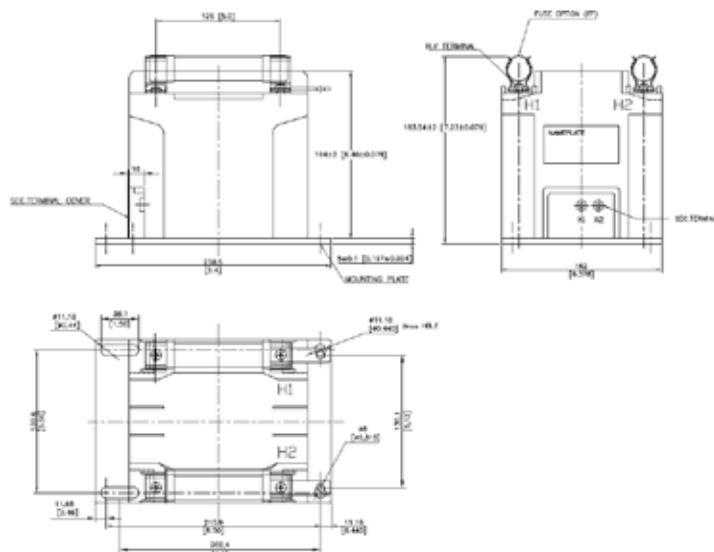
A RO EI H
35 lbs.



Equivalent to GE-ITI MODEL PTW3 and VIY-60

DIMENSIONS: All dimensions are in millimeters [inches]

2 Fuse

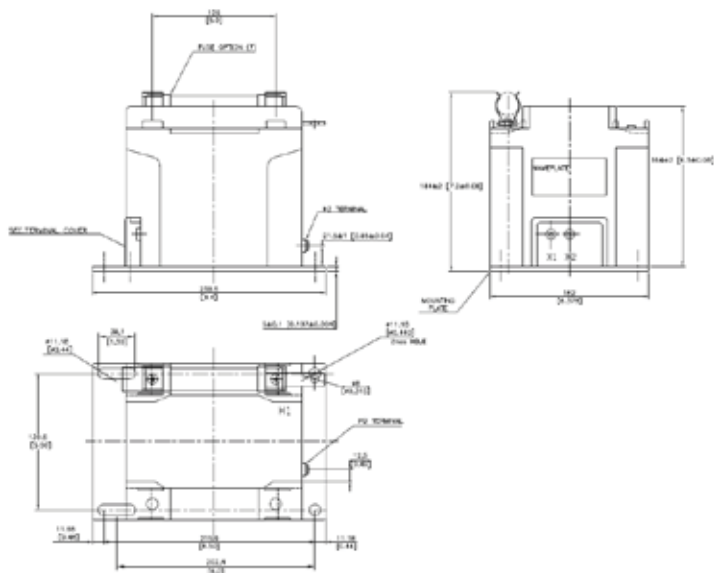


T O BUSHING				
CATALOG *	GROU	RIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE
V9.1-2-242	1	2400	20:1	120
V9.1-2-332	2	3300	30:1	110-50Hz
V9.1-2-422	2	4200	35:1	120
V9.1-2-482	2	4800	40:1	120

SINGLE BUSHING				
CATALOG *	GROU	RIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE
V9.1-242	4A	2400	20:1	120
V9.1-332	4A	3300	30:1	110-50HZ
V9.1-422	4B	4200	35:1	120
V9.1-482	4B	4800	40:1	120

- Standard use rating: 5.5kV, 0.5
- Fuse clips accept 1.0" diameter fuses with Max. length of 5.75"
- fuses are intended to protect the system and not the P in the event of a failure

Single Fuse



Medium Voltage Single Phase Indoor Voltage Transformer

Model V10

Maximum System Voltage 15.5 kV, BIL 110kV Full Wave



INSULATION LEVEL
15.5 kV, BIL 110 kV full wave

RE-ENCLOSURE
60 Hz (50 Hz upon request)

ACCURACY CLASS
0.3 M, 0.6, 1.2 @ 100 rated V, 120V based ANSI burden

0.3 M, 1.2 @ 5 rated V, 69.3V based ANSI burden

HERMAL RATING
1500 VA @ 30 deg. C ambient
1000 VA @ 55 deg. C ambient

OTHER FEATURES
Polyurethane/ epoxy Resin encapsulated

TERMINALS
1/4"-20 Brass screw with one flat washer and lock washer

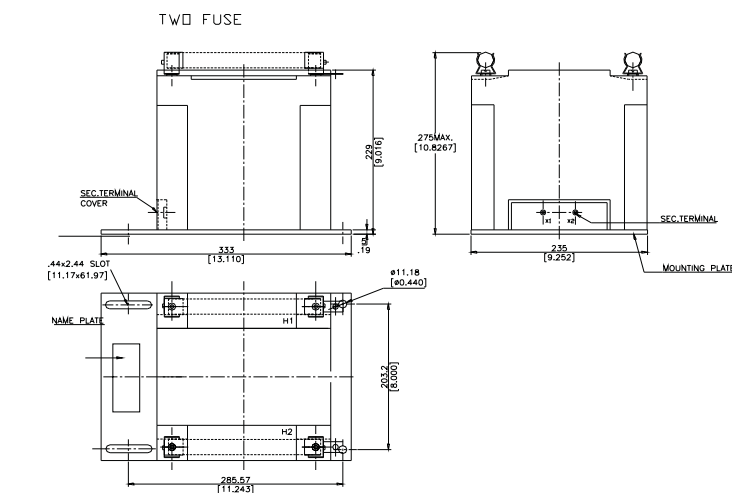
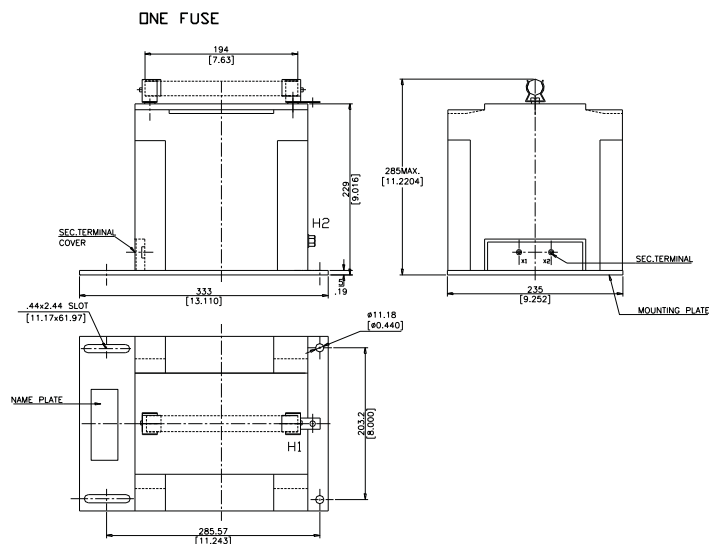
SECONDARY TERMINALS
10-32 Brass screw with one flat washer and lock washer

WEIGHT
90 lbs.

Equivalent to: GE-ITI MODEL PTW4
PTG4
PTW5
PTG5

ABB MODEL VIZ-75
VIZ-11

DIMENSIONS: All dimensions are in millimeters [inches]



TRANSFORMER BUSHING				
CATALOG *	GROUP	PRIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE
V10-2-722	1	7200	60:1	120
V10-2-842	1	8400	70:1	120
V10-2-113	2	11000	100:1	110-50Hz
V10-2-123	2	12000	100:1	120
V10-2-1322	2	13200	110:1	120
V10-2-1382	4B	13800	110:1	120
V10-2-1442	2	14400	120:1	120

SINGLE BUSHING				
CATALOG *	GROUP	PRIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE
V10-722	4A	7200	60:1	120
V10-842	4A	8400	70:1	120
V10-113	4B	11000	100:1	110-50Hz
V10-123	4B	12000	100:1	120
V10-1322	4B	13200	110:1	120
V10-1382	4B	13800	110:1	120
V10-1442	4B	14400	120:1	120

Medium Voltage Single Phase Indoor Voltage Transformer



Model V21.1

Maximum System Voltage 15.5 kV, BIL 110kV Full Wave



US E2475 2

Equivalent to: GE-ITI MODEL PTW4
PTG4
PTW5
PTG5
ABB MODEL VIZ-75
VIZ-11

INSULATION LEVEL
15.5 kV, BIL 110 kV full wave

FREQUENCY
60 Hz (50 Hz upon request)

ACCURACY CLASS
0.3 M, 1.2 @ 100 rated V, 120V based ANSI burden
0.3 M, 1.2 @ 5 rated V, 69.3V based ANSI burden

THERMAL RATING
1500 VA @ 30 deg. C ambient
1000 VA @ 55 deg. C ambient

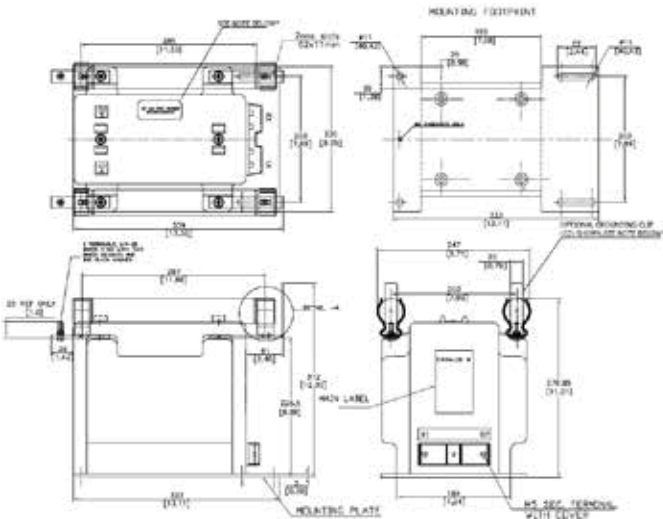
OUTER ENCAPSULATION
Resin encapsulated

PRIMARY TERMINALS
1/4" -20 Brass screw with one flat washer and lock washer

SECONDARY TERMINALS
M5 0.1" female Insert, with brass slotted pan head screw, two plain washers and one lock washer

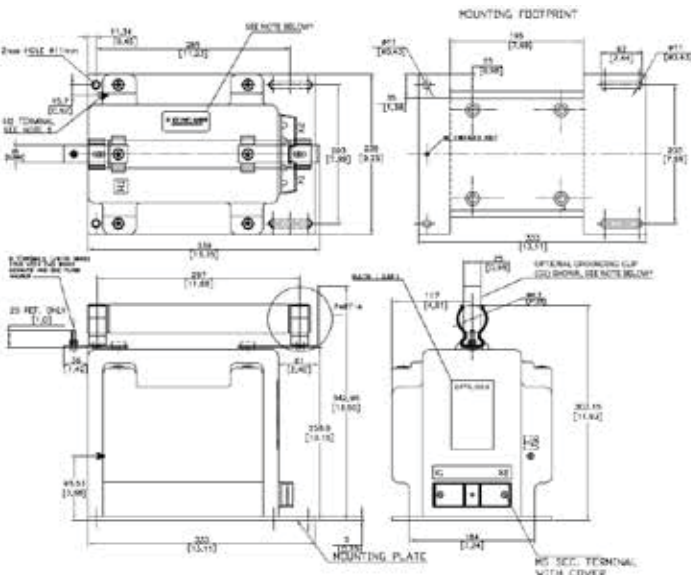
APPROX. WEIGHT
90 lbs.

DIMENSIONS: D m mm []
O SHIN O SE



- Units with optional grounding clips (2) as shown have the additional label with the corresponding 2 part number listed

DIMENSIONS: D m mm []
SIN LE SHIN ONE SE



- Units with optional grounding clips (1) as shown have the additional label with the corresponding 1 part number listed.

T					
CATALOG ITH USES	CATALOG ITH USES AND GROUNDING CLIPS	GROU	PRIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE
V21.1-2-242	V21.1-242 G2	1	2400	20:1	120
V21.1-2-422	V21.1-422 G2	1	4200	35:1	120
V21.1-2-482	V21.1-482 G2	1	4800	40:1	120
V21.1-2-662	V21.1-662 G2	1	6600	60:1	110-50Hz
V21.1-2-722	V21.1-722 G2	1	7200	60:1	120
V21.1-2-842	V21.1-842 G2	1	8400	70:1	120
V21.1-2-113	V21.1-113 G2	2	11000	100:1	110-50Hz
V21.1-2-123	V21.1-123 G2	2	12000	100:1	120
V21.1-2-12471	V21.1-12471 G2	2	12470	104:1	120
V21.1-2-1322	V21.1-1322 G2	2	13200	110:1	120
V21.1-2-1382	V21.1-1382 G2	2	13800	115:1	120
V21.1-2-1442	V21.1-1442 G2	2	14400	120:1	120

L					
CATALOG ITH USE	CATALOG ITH USE AND GROUNDING CLIPS	GROU	PRIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE
V21.1-242	V21.1-242 G1	4A	2400	20:1	120
V21.1-422	V21.1-422 G1	4A	4200	35:1	120
V21.1-482	V21.1-482 G1	4A	4800	40:1	120
V21.1-722	V21.1-722 G1	4A	7200	60:1	120
V21.1-7621	V21.1-7621 G1	4A	7620	63.5:1	120
V21.1-7971	V21.1-7971 G1	4A	7970	66.4:1	120
V21.1-842	V21.1-842 G1	4A	8400	70:1	120
V21.1-113	V21.1-113 G1	4B	11000	100:1	110-50Hz
V21.1-123	V21.1-123 G1	4B	12000	100:1	120
V21.1-12471	V21.1-12471 G1	4B	12470	104:1	120
V21.1-1322	V21.1-1322 G1	4B	13200	110:1	120
V21.1-1382	V21.1-1382 G1	4B	13800	115:1	120
V21.1-1442	V21.1-1442 G1	4B	14400	120:1	120

- Standard use:
 - 15.5kV, 1.0 fuse for primary voltages below 10kV
 - 15.5kV, 0.5 fuse for primary voltages above 10kV
- Fuse clips accept 1.63" diameter fuses with Max. length of 12.87"
- uses are intended to protect the system and not the P in the event of a failure

Medium Voltage Single Phase Indoor Voltage Transformer

Model V22.1

Maximum System Voltage 25.5 kV, BIL 110kV Full Wave



Equivalent to: ABB MODEL VIZ-12

INS LA ION LE EL
25.5 kV, BIL 125 kV full wave

RE ENC
60 Hz

ACC RAC CLASS
0.3

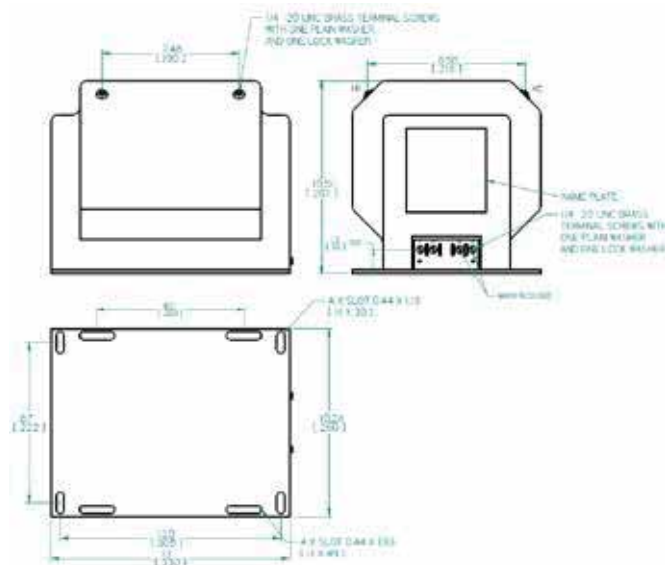
HERMAL RA IN
2000 VA @ 30 deg. C ambient
1500 VA @ 55 deg. C ambient

O ER ENCA S LA ION
Resin ncapsulated

RIMAR ERMINALS
1/4 -20 Brass screw with one flat washer and lock washer

CATALOG	RIMARY VOLTAGE	SECONDARY VOLTAGE	INDING RATIO	RATED VOLTAGE ACTOR
V22.1-2-722	7200/12470Y	120	60:1	1.1
V22.1-2-123	12000/20800Y	120	100:1	1.1
V22.1-2-1322	13200/22865Y	120	110:1	1.1
V22.1-2-1442	14400/24940Y	120	120:1	1.1
V22.1-2-1652	16500/16500Y	120	137.5:1	1.1
V22.1-2-183	18000/18000Y	120	150:1	1.1
V22.1-2-213	21000/21000Y	120	175:1	1.1
V22.1-2-243	24000/24000Y	120	200:1	1.1

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES _____):



Model V22.2

Maximum System Voltage 25.5 kV, BIL 110kV Full Wave



Equivalent to: ABB MODEL VIZ-12G

INS LA ION LE EL
25.5 kV, BIL 125 kV full wave

RE ENC
60 Hz

ACC RAC CLASS
0.3

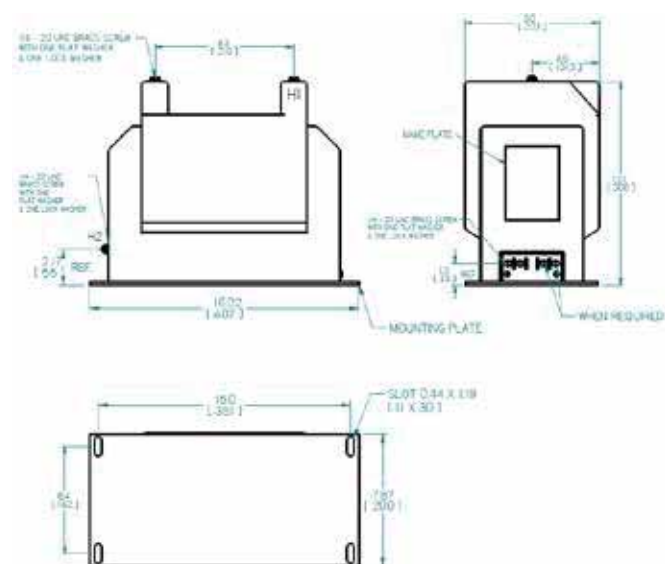
HERMAL RA IN
1500 VA @ 30 deg. C ambient
50 VA @ 55 deg. C ambient

O ER ENCA S LA ION
Resin ncapsulated

RIMAR ERMINALS
1/4 -20 Brass screw with one flat washer and lock washer

CATALOG	RIMARY VOLTAGE	SECONDARY VOLTAGE	INDING RATIO	RATED VOLTAGE ACTOR
V22.2-123	12000/20780GY	120	100:1	1.25
V22.2-1322	13200/22900GY	120	110:1	1.25
V22.2-1442	14400/24940GY	120	120:1	1.25
V22.2-153	15000/15000GY	120	125:1	1.25
V22.2-163	16000/27600GY	120	133.33:1	1.25
V22.2-1652	16500/28578Y	120	137.5:1	1.25
V22.2-183	18000/18000GY	120	150:1	1.25
V22.2-203	20000/20000GY	120	166.67:1	1.25
V22.2-243	24000/24000GY	120	200:1	1.25

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES _____):



AMRAN
INSTRUMENT TRANSFORMER

Maximum System Voltage 25.5 kV, BIL 110kV Full Wave



INS LA ION LE EL		HERMAL RA IN	
25.5 kV, BIL 125 kV full wave		1500 VA @ 30 deg. C ambient 1000 VA @ 55 deg. C ambient	
RE ENC		RO ERENCA S LA ION	
60 Hz		Resin incapsulated	
ACC RAC CLASS		R1AR ERMINALS	
0.3 M , 1.2 @ 100 rated V, 120V based ANSI burden		1/4 - 20 Brass screw with one flat washer and lock washer	
0.3 M , 1.2 @ 5 rated V, 69.3V based ANSI burden			

CATALOG	PRIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE	ANSI GROUP
V22.5-2-183	18000	85:1	120	2
V22.5-2-213	21000	100:1	120	2
V22.5-2-243	24000	110:1	120	2

Technical drawings of the 1000 Series Single Terminal Block, showing front and rear views with dimensions in inches and millimeters.

Front View Dimensions:

- Overall Width: 1.74 (44.1)
- Overall Height: 1.13 (28.7)
- Terminal Block Height: 0.44 (11.1)
- Terminal Block Width: 0.44 (11.1)
- Terminal Block Position: 0.44 (11.1)
- Terminal Block Spacing: 0.44 (11.1)
- Terminal Block Mounting Hole Diameter: 0.44 (11.1)
- Terminal Block Mounting Hole Position: 0.44 (11.1)
- Terminal Block Mounting Hole Spacing: 0.44 (11.1)
- Terminal Block Mounting Hole Diameter: 0.44 (11.1)
- Terminal Block Mounting Hole Position: 0.44 (11.1)
- Terminal Block Mounting Hole Spacing: 0.44 (11.1)

Rear View Dimensions:

- Overall Width: 1.74 (44.1)
- Overall Height: 1.13 (28.7)
- Terminal Block Height: 0.44 (11.1)
- Terminal Block Width: 0.44 (11.1)
- Terminal Block Position: 0.44 (11.1)
- Terminal Block Spacing: 0.44 (11.1)
- Terminal Block Mounting Hole Diameter: 0.44 (11.1)
- Terminal Block Mounting Hole Position: 0.44 (11.1)
- Terminal Block Mounting Hole Spacing: 0.44 (11.1)
- Terminal Block Mounting Hole Diameter: 0.44 (11.1)
- Terminal Block Mounting Hole Position: 0.44 (11.1)
- Terminal Block Mounting Hole Spacing: 0.44 (11.1)

Maximum System Voltage 25.5 kV, BIL 110kV Full Wave



INS LA IONLE EL 25.5 kV, BIL 125 kV full wave	HERMAL RA IN 1500 VA @ 30 deg. C ambient 1000 VA @ 55 deg. C ambient
RE ENC 60 Hz	O ERENCA S LA ION Resin encapsulated
ACC RAC CLASS	RIMAR ERMINALS 1/4-20 Brass screw with one flat washer and lock washer
0.3 M , 1.2 @ 100 rated V, 120V based ANSI burden	
0.3 M , 1.2 @ 5 rated V, 69.3V based ANSI burden	

CATALOG	RIMARY VOLTAGE	RATIO	SECONDARY VOLTAGE	ANSI GROU
V22.6-1022	10200	85:1	120	4A
V22.6-123	12000	100:1	120	4A
V22.6-1322	13200	110:1	120	4A
V22.6-1382	13800	115:1	120	4A
V22.6-1442	14400	120:1	120	4A
V22.6-183	18000	150:1	120	4B
V22.6-213	21000	175:1	120	4B
V22.6-243	24000	200:1	120	4B

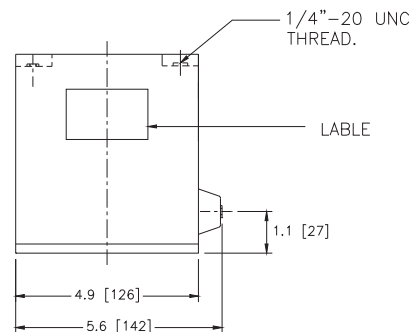
AMRAN
INSTRUMENT TRANSFORMER

Maximum System Voltage 7.2 kV, BIL 60kV Full Wave



30 lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



Medium Voltage Three Phase Indoor Voltage Transformer



Model V19.4

Maximum System Voltage 7.2 kV, BIL 60kV Full Wave



CAUS E2475 2

INSULATION LEVEL
BIL 60 kV full wave

FREQUENCY
60 Hz (50 Hz upon request)

ACCURACY CLASS
1 at 5VA load per phase

THERMAL RATING
15 VA per phase @ 30 deg. C

OUTER ENCAPSULATION
Polyurethane/ epoxy Resin encapsulated

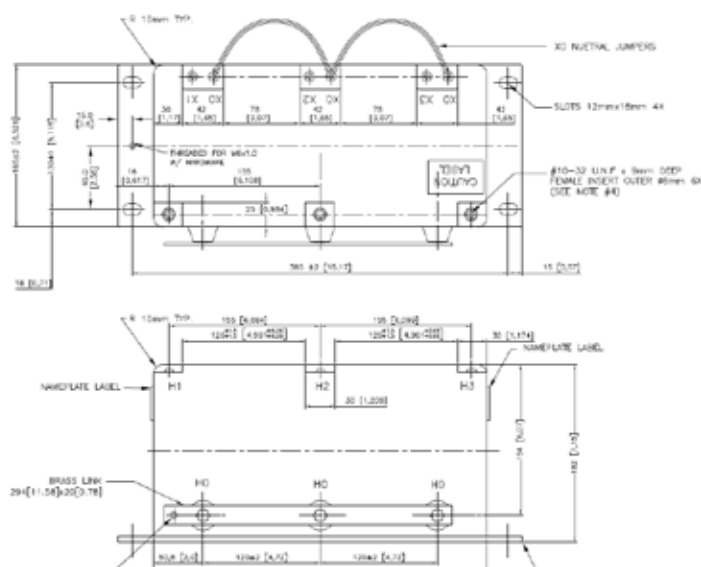
PRIMARY TERMINALS
1/4 -20 Brass screw with one flat washer and lock washer

SECONDARY TERMINALS
1/4 -20 Brass screw with one flat washer and lock washer

APPROX. WEIGHT
30 lbs.

Electrical Specifications						
CATALOG NUMBER	CONNECTION	PRIMARY VOLTAGE (L-L)	RATIO	SECONDARY VOLTAGE (L-L)	Operating Frequency (Hz)	OVER VOLTAGE %
V19.4-242-3	e - e	2400	10.4:1	230	50-60	25%
V19.4-332-3	e - e	3300	14.3:1	230	50-60	25%
V19.4-4161-3	e - e	4160	18.1:1	230	50-60	25%
V19.4-662-3	e - e	6600	28.7:1	230	50-60	25%
V19.4-722-3	e - e	7200	31.3:1	230	60	25%

DIMENSIONS: All dimensions are in millimeters [inches]



Medium Voltage Three Phase Indoor Voltage Transformer



Model V20.1

Maximum System Voltage 12 kV, BIL 95kV Full Wave



INSULATION LEVEL
12 kV, BIL 5 kV full wave

FREQUENCY
60 Hz 50 Hz upon request

ACCURACY CLASS
0.6 M, 1.2 @ 100 rated V, 120V based ANSI burden
0.6 M, 1.2 @ 5 rated V, 6.3V based ANSI burden

THERMAL RATING
750 VA @ 30 deg. C ambient

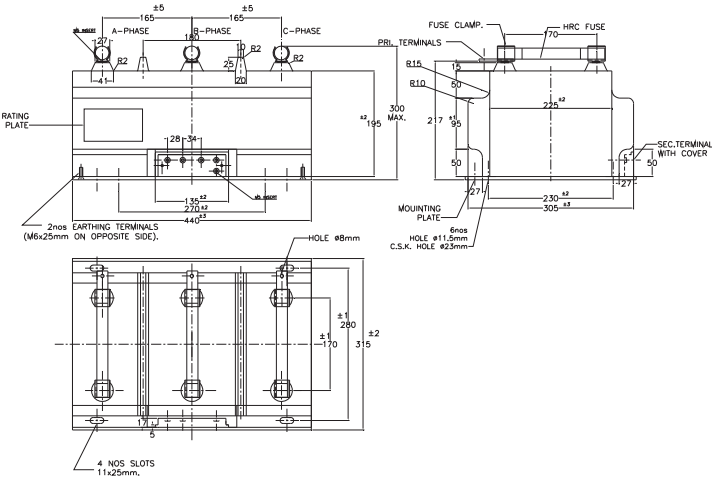
OUTER ENCAPSULATION
Polyurethane/ epoxy Resin encapsulated

Suitable for 10-32 or M5 screws with one flat washer and lock washer and two nuts.

SECONDARY TERMINALS
Brass insert with M5 Brass screw with one flat washer and lock washer 10-32 screw with option available

APPROX. WEIGHT
140 lbs.

DIMENSIONS ALL DIMENSIONS ARE IN MILLIMETERS :



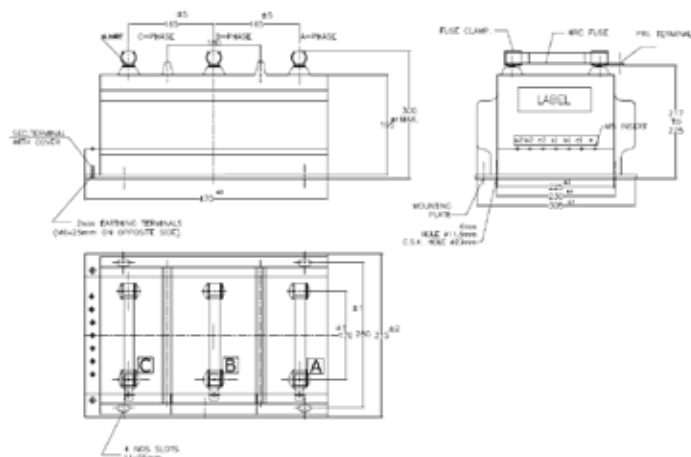
CATALOG NUMBER	CONNECTION	RATIO	CONNECTION	IN IN RATIO
20.1-2 2X-3	-	2 00	120	20:1
20.1- 22X-3	-	200	120	35:1
20.1- 2X-3	-	00	120	0:1
20.1-722X-3	-	7200	120	60:1
20.1- 2X-3	-	00	120	70:1
20.1-113X-3	-	11000	110 50Hz	100:1
20.1-123X-3	-	12000	120	100:1

AMRAN
INSTRUMENT TRANSFORMER

Maximum System Voltage 13.2 kV, BIL 95kV Full Wave



APPROX. WEIGHT
160 lbs.



CATALOG NUMBER	CONNECTION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	INDUCING RATIO
V20.2-722X-3	YE- YE	7200	120	60:1
V20.2-842X-3	YE- YE	8400	120	70:1
V20.2-113X-3	YE- YE	11000	110 60Hz	100:1
V20.2-123X-3	YE- YE	12000	120	100:1
V20.2-133X-3	YE- YE	13200	120	110:1

Medium Voltage Three Phase Indoor Voltage Transformer



Model V21

Maximum System Voltage 15.5 kV, BIL 110kV Full Wave



INSULATION LEVEL
13.2 kV, BIL 110 kV full wave

FREQUENCY
60 Hz (50 Hz upon request)

ACCURACY CLASS
1 at 100VA load per phase, 3 at 500VA load per phase

THERMAL RATING
500 VA per phase @ 30 deg. C

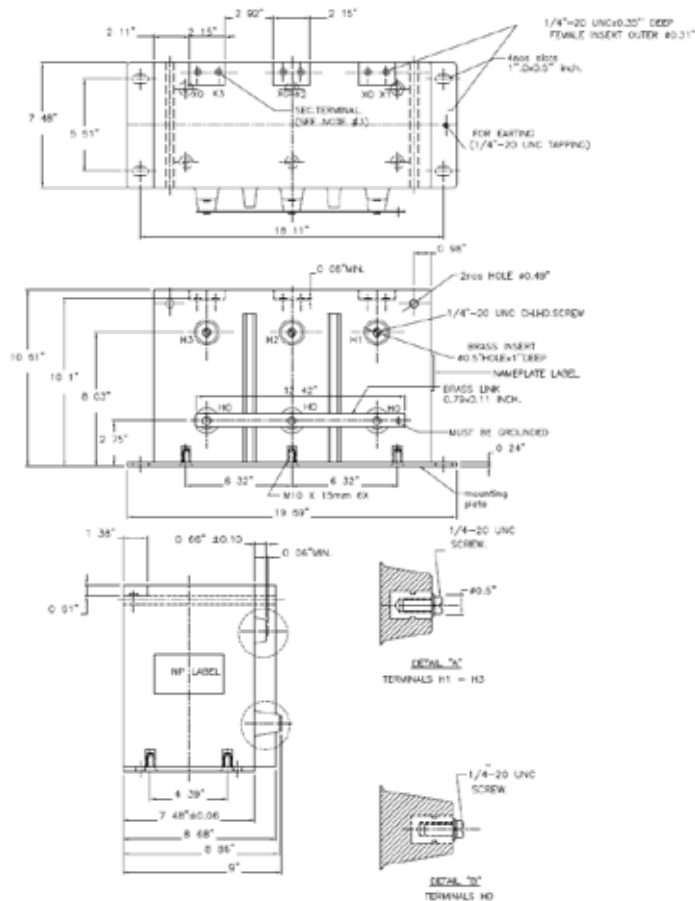
OUTER ENCAPSULATION
Polyurethane/ epoxy Resin encapsulated

PRIMARY TERMINALS
1/4 -20 Brass screw with one flat washer and lock washer

SECONDARY TERMINALS
1/4 -20 Brass screw with one flat washer and lock washer

APPROX. WEIGHT
150 lbs.

DIMENSIONS (ALL DIMENSIONS ARE IN INCHES):



ALL VALUES ARE @ 60HZ				
CATALOG NUMBER	CONNECTION	PRIMARY VOLTAGE (L-L)	RATIO	SECONDARY VOLTAGE (L-L)
V21-662-01-3	e — e	6600	28.7:1	230
V21-692-01-3	e — e	6900	30:1	230
V21-722-01-3	e — e	7200	31.3:1	230
V21-1322-01-3	e — e	13200	57.4:1	230

Custom Engineered Bushing Current Transformers



Amran specializes in manufacturing broad range of Bushing Current Transformers for medium and high voltage Circuit breakers, large power generators and power transformer applications. Amran Bushing Current Transformers are specifically designed to meet exact customer specifications and requirements. Many custom options are available for encapsulation, secondary termination etc. Serialized test records are provided for each BCT and collapsible returnable packaging option is standard for many customers.

When ordering BCT include following information

- Dimensions – Minimum ID, Maximum OD, Maximum Ht
- Current Ratio
- Accuracy and Burden Requirement (Metering and relaying accuracy)
- Applicable standard (ANSI/IEEE or IEC or else)
- Thermal Rating factor
- Frequency
- Secondary Type (Terminals or Lead wires (Specify type, gauge etc. Std is 10AWG THHN))
- Any other information specific to application (Dry type, under oil type, temperature etc.)





Amran Instrument Transformers

- Multiple manufacturing locations in USA and India
- 400+ employees with strong management and engineering teams
- Design and Engineering expertise to allow custom development of products with the smallest and least expensive solutions
- Standard product range for OEM applications
- Strong teams in engineering, R&D, design and custom product development
- Minority Business Enterprise (MBE)
- ISO 9001, ISO 14001, OHSAS 18001



AMRAN USA



AMRAN INDIA

LV and MV Instrument Transformer Manufacturing



CT WINDING



RESIN ENCAPSULATION EQUIPMENT

- Multiple manufacturing plants to mitigate risk and to support customers in over 50 countries around the world
- Over 85,000 sq. ft. of manufacturing space for LV and MV Instrument Transformers (Current and Voltage Transformers)
- Vertically Integrated Manufacturing- State of the art equipment for core manufacturing, CT and PT windings and encapsulation processes
- Fully automated resin molding equipment and APG machines for epoxy/polyurethane encapsulation process for MV products



USA PRODUCTION

Core Manufacturing

- In-house Core manufacturing facilities – multiple locations
- Electrical Steel coil slitting capabilities
- State of the art, high-speed, programmable core winding machines
- Automated annealing furnaces with controllers to monitor temperature and time cycles



CORE MANUFACTURING



CORE MANUFACTURING

Testing

- In-house type testing and routine testing capabilities
- Full capabilities to conduct all the routine testing per ANSI/IEEE, IEC and various other standards
- 100% final testing on each CT and VT product
- 100 % Traceability of the test records with serial # on the product label
- Website interface for test record availability
- In-house labs for BIL, Partial Discharge test



ACCURACY TESTER



BIL TEST LAB



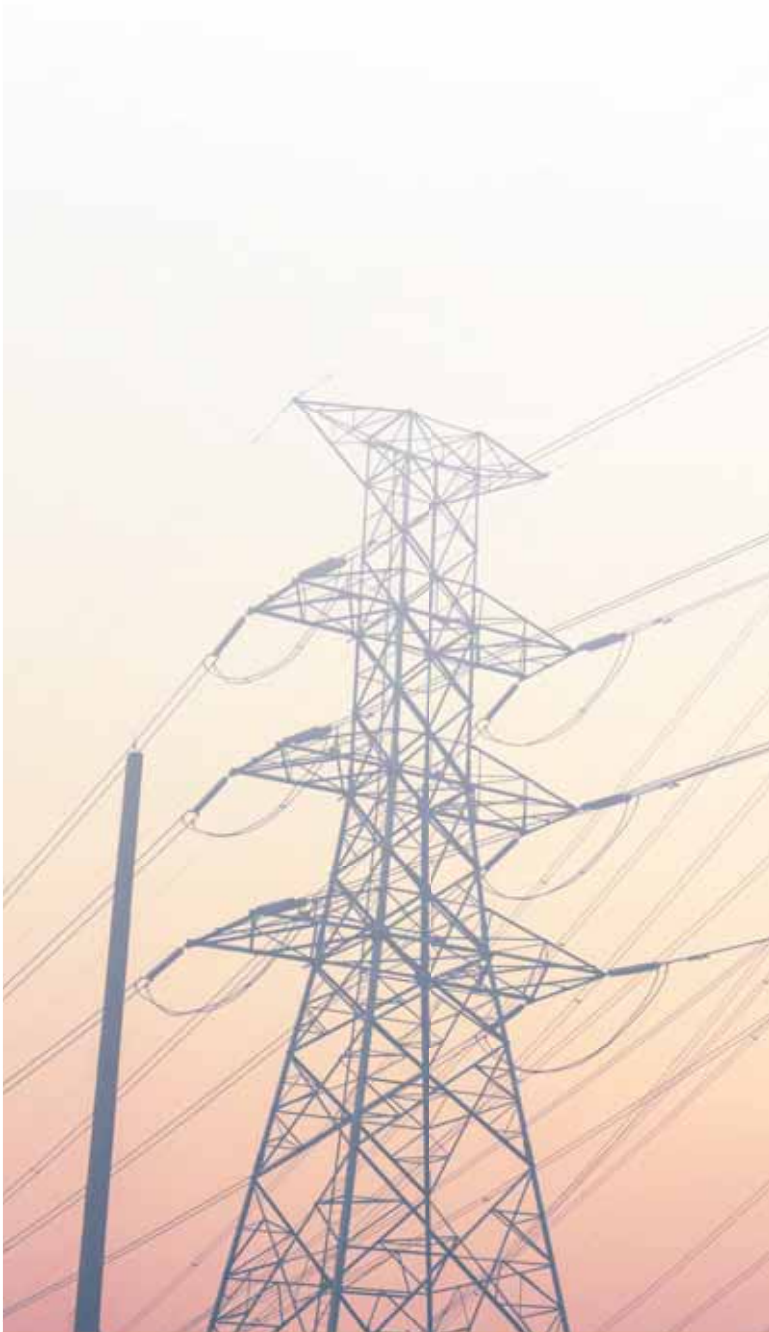
EXCITATION CURVE

Warehouse and Inventory Management Services

- Large warehousing available for stocking support out of Texas location
- Lead time reduction through inventory management system
- Repackaging, returnable packaging options available



AMRAN WAREHOUSE



AMRAN INSTRUMENT TRANSFORMERS

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