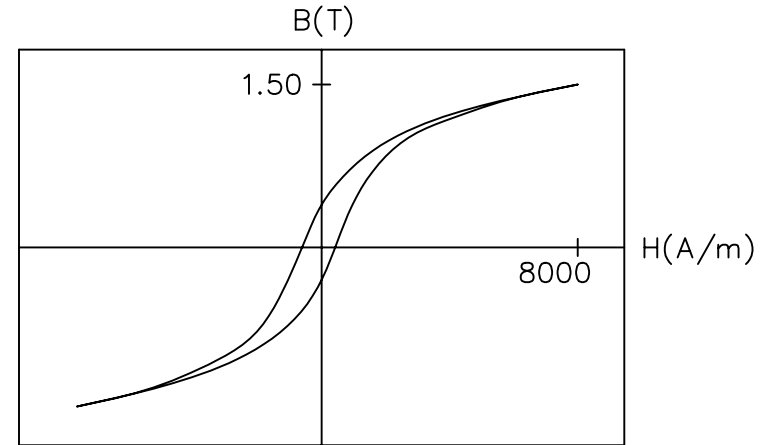
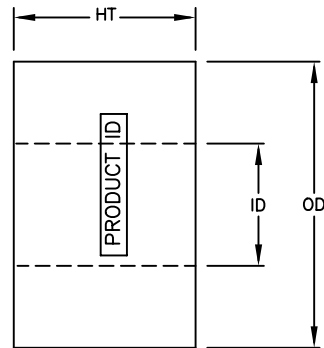
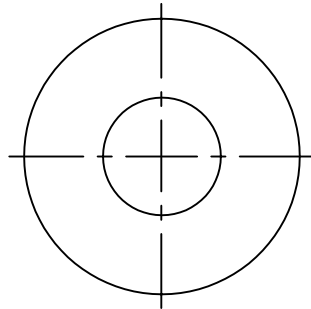


MP7438MDGC



TYPICAL B-H LOOP

Coated Core Specifications				Bare Core Specifications		
PART NO.	OD mm	ID mm	HT mm	OD mm	ID mm	HT mm
MP7438MDGC	46.61	25.22	18.99	44.58	25.76	17.463
Tolerance (mm)	Max.	Min.	Max.			

Performance Specifications							
l_m	A_c	Mass	Vol	Initial	A_i	W_a	$W_a A_c$
cm	cm ²	g	cm ³	Perm	nH	cm ²	cm ⁴
11.05	1.430	115.68	15.80	245	398.4	4.99	7.141

Core Designation	Material DuPont	Manufacturer UL File #	Insulation System
M	EFB534S0	E206123	ClassB/ClassF

A_i is measured at 10 kHz/100 mV.

l_m = mean magnetic path length
 A_c = net cross-sectional area
 W_a = core window area

NOTE:

- PART IDENTIFICATION CODE AND MANUFACTURING DATE CODE ARE PRINTED ON CURVED SURFACE.
- MINIMUM COATING THICKNESS OF 0.076 mm (3 MILS) ON ANY POINT OF CORE IS MAINTAINED.
- ALL MEASUREMENTS ARE DONE AT ROOM TEMPERATURE.
- OVALITY OF 95% ON OUTER AND INNER DIAMETER IS PERMISSIBLE.
- MAXIMUM CONTINUOUS OPERATING TEMPERATURE IS 150°C.

MAGNETIC TOLERANCES:

PERMEABILITY $\pm 15\%$
 $A_i \pm 15\%$
 Mass $\pm 3\%$

CORE MATERIAL:

METGLAS® ALLOY 2605SA1.

NOTICE :- THIS DRAWING, THE PROPERTY OF HITACHI METGLAS IS FURNISHED SUBJECT TO RETURN ON DEMAND AND THE CONDITION THAT THE INFORMATION AND TECHNOLOGY EMBODIED HEREIN SHALL NOT BE DISCLOSED OR USED AND THE DRAWING SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART EXCEPT AS PREVIOUSLY AUTHORIZED IN WRITING. ANY PERSON WHO MAY RECEIVE OR OBSERVE THIS DESIGN WILL BE HELD STRICTLY LIABLE FOR ANY VIOLATION WHETHER WILLFUL OR NEGLIGENT.	TOLERANCES UNLESS OTHERWISE SPECIFIED			NO.	REVISION	BY	APPR.	DATE	DIMENSIONS	MM	DESCRIPTION			MICROLITE MAGNETIC TOROIDAL CORES			SHEET	PART NO.	REV. NO.						
				1.	ADDED NOTE # 4,5 & MINIMUM COATIG THICKNESS WAS 0.127MM (5 MILS).COMPANY NAME WAS HONEYWELL.	VS	RK	02/11/04	SCALE	N.T.S	MATERIAL	AS NOTED			1 OF 1	MP7438MDGC	1								
									PROJECTION	THIRD ANGLE															
									HITACHI METGLAS																
											SM	10/21/98	SR	07/19/01	RH,RM,ST	07/19/01									
												DRAWN	DATE	CHECKED	DATE	APPROVED	DATE								