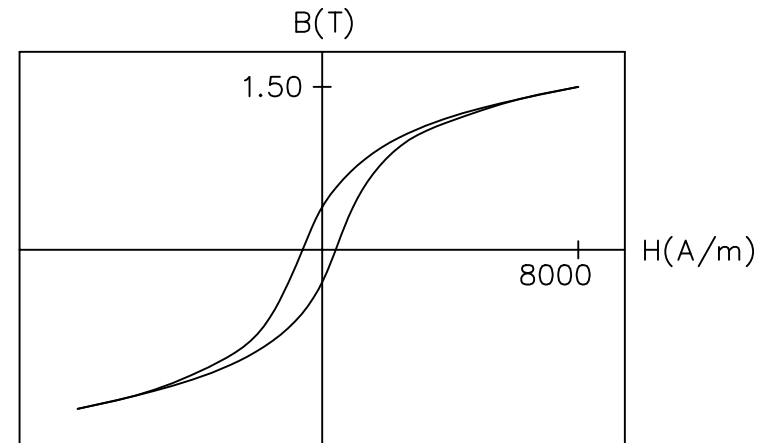
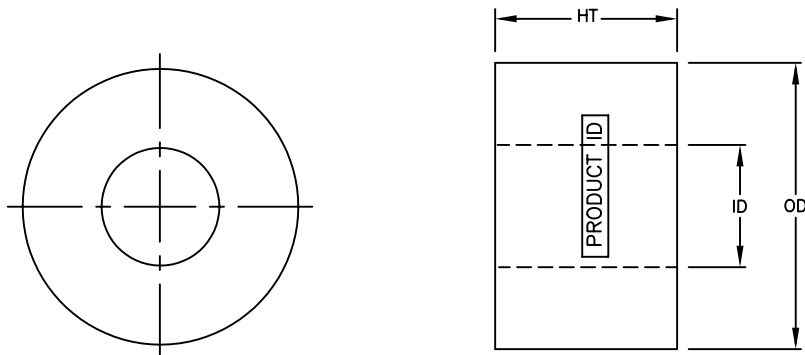


MP7585MDGC



TYPICAL B-H LOOP

Coated Core Specifications				Bare Core Specifications		
PART NO.	OD mm	ID mm	HT mm	OD mm	ID mm	HT mm
MP7585MDGC	34.87	23.95	9.91	33.32	24.49	8.382
Tolerance (mm)	Max.	Min.	Max.			

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

NOTE:

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

MAGNETIC TOLERANCES:

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

CORE MATERIAL:

METGLAS® ALLOY 2605SA1.

Performance Specifications							
I _m	A _c	Mass	Vol	Initial	A _i	W _a	W _a A _i
cm	cm ²	g	cm ³	Perm	nH	cm ²	cm ⁴
9.08	0.322	21.43	2.93	245	109.3	4.50	1.45

A_I is measured at 10 kHz/100 mV.

l_m = mean magnetic path length

A_c = net cross-sectional area

$$W_d = \text{core window area}$$

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				1 OF 1	MP7585MDGC	1								
									PROJECTION	THIRD ANGLE	AS NOTED														
									<div>HITACHI METGLAS</div>																
													SM	10/21/98	SR	07/19/01	RH,RM,ST	07/19/01							
												DRAWN	DATE	CHECKED	DATE	APPROVED	DATE								