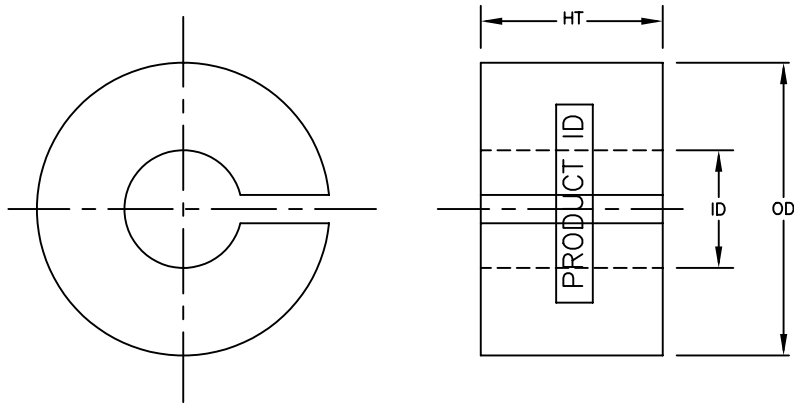


MP1603MPFC



Coated Core Specifications				Bare Core Specifications		
PART NO.	OD mm	ID mm	HT mm	OD mm	ID mm	HT mm
MP1603MPFC	17.10	8.99	4.70	15.80	9.53	3.18
Tolerance	max.	min.	max.			

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

NOTE:

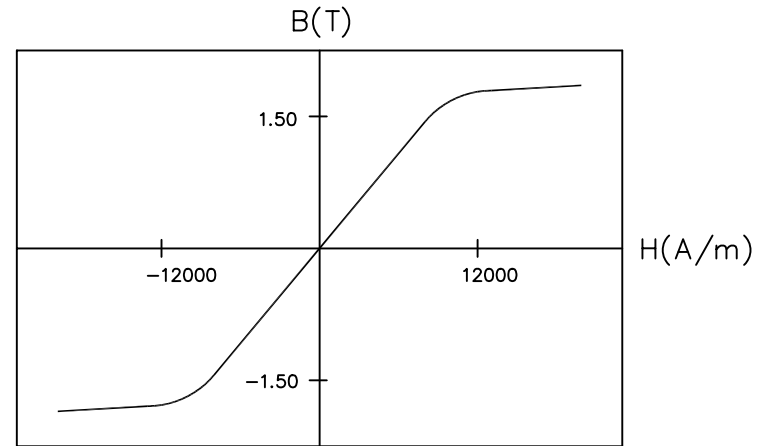
1. PART IDENTIFICATION CODE AND MANUFACTURING DATE CODE ARE PRINTED ON CURVED SURFACE.
2. MINIMUM COATING THICKNESS OF 0.076 mm (3 MILS) ON ANY POINT OF CORE IS MAINTAINED.
3. ALL MEASUREMENTS ARE DONE AT ROOM TEMPERATURE.
4. OVALITY OF 95% ON OUTER AND INNER DIAMETER IS PERMISSIBLE.
5. MAXIMUM CONTINUOUS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

MAGNETIC TOLERANCES:

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

CORE MATERIAL:

METGLAS® ALLOY 2605SA1.



TYPICAL B-H LOOP

Performance Specifications								
I <sub>m</sub> cm	A <sub>c</sub> cm <sup>2</sup>	Mass g	Volume cm <sup>3</sup>	Effective Perm	A <sub>I</sub> nH	W <sub>a</sub> cm <sup>2</sup>	W <sub>a</sub> A <sub>c</sub> cm <sup>4</sup>	Core Loss W
3.98	0.087	2.5	0.34	100	27	0.63	0.055	0.49

$A_I$  is measured at 10 kHz/100 mV.

$l_m$  = mean magnetic path length

$$A_c = \text{net cross-sectional area}$$
$$W_d = \text{core window area}$$

<b>NOTICE :-</b> 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	POWER FACTOR CORRECTION CORE	SHEET	PART NO.	REV. NO.								
		1.	ADDED NOTE # 5 & DISPLAYED MEANING FOR Im,Ac & Wa. COMPANY NAME WAS HONEYWELL.	VS	RK	02/12/04	SCALE	N.T.S	MATERIAL	AS NOTED	1 OF 1	MP1603MPFC	1								
							PROJECTION	THIRD ANGLE													
							<div>HITACHI METGLAS</div>														
																SD	12/16/02	RK	12/16/02	DM,RM,ST	12/16/02
																DRAWN	DATE	CHECKED	DATE	APPROVED	DATE