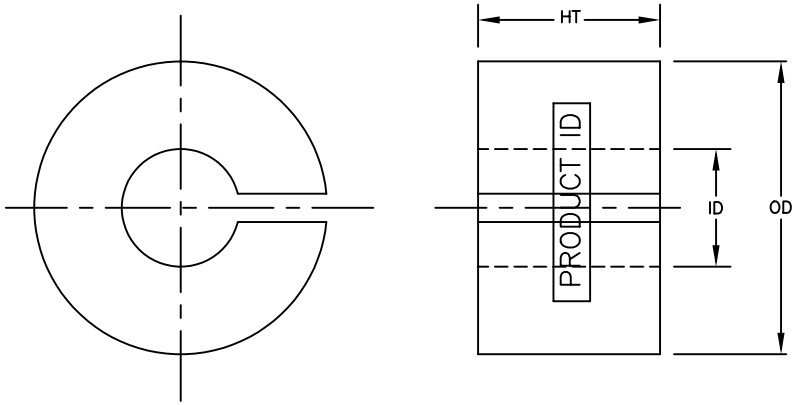
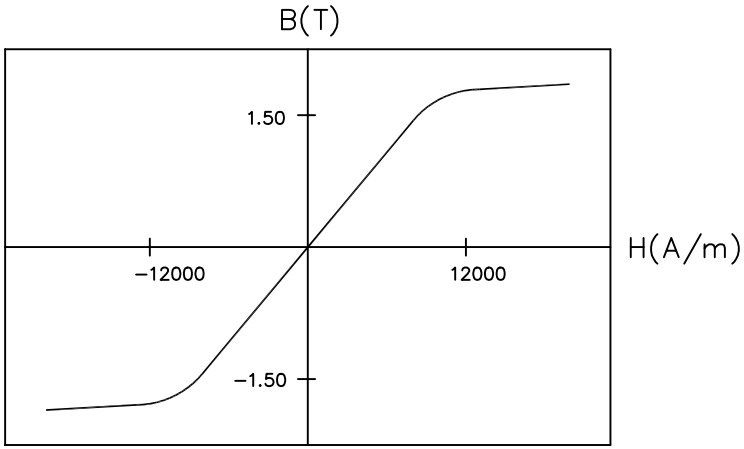
MP1710MPFC





TYPICAL B–H LOOP

Coated Core Specifications				Bare Core Specifications		
PART NO.	OD mm	ID mm	HT mm	OD mm	ID mm	HT mm
MP1710MPFC	18.68	12.16	11.05	17.48	12.70	9.53
Tolerance	max.	min.	max.			

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

Performance Specifications								
l_m cm	A_c cm^2	Mass g	Volume cm^3	Effective Perm	A_l nH	W_a cm^2	W_aA_c cm^4	Core Loss W
4.74	0.198	6.7	0.94	100	52	1.16	0.230	1.35

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.

A_l is measured at 10 kHz/100 mV.

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

MAGNETIC TOLERANCES:
PERMEABILITY ± 15%
A_l ± 15%
Mass ± 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
1.	ADDED NOTE # 5 & COATED CORE OD WAS 18.74mm.DISPLAYED MEANING FOR lm,Ac & Wa. COMPANY NAME WAS HONEYWELL.	VS	RK	02/12/04

DIMENSIONS	MM	DESCRIPTION	POWER FACTOR CORRECTION CORE		SHEET	PART NO.	REV. NO.				
SCALE	N.T.S	MATERIAL	AS NOTED		1 OF 1	MP1710MPFC	1				
PROJECTION	THIRD ANGLE	HITACHI METGLAS	SD	12/16/02	RK	12/16/02	DM,RM,ST	12/16/02			
			DRAWN	DATE	CHECKED	DATE	APPROVED	DATE			

EG/FM/11/1