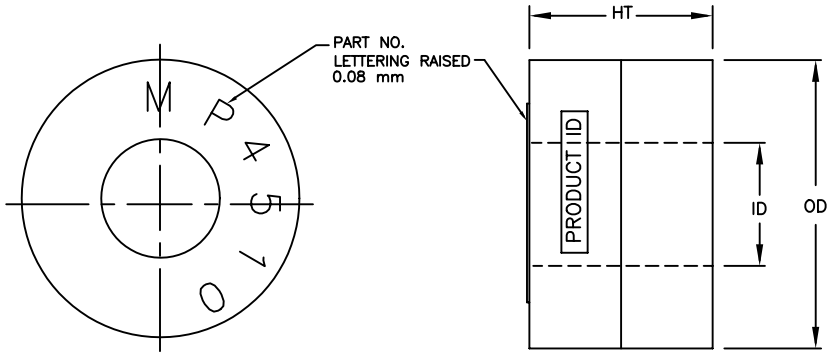
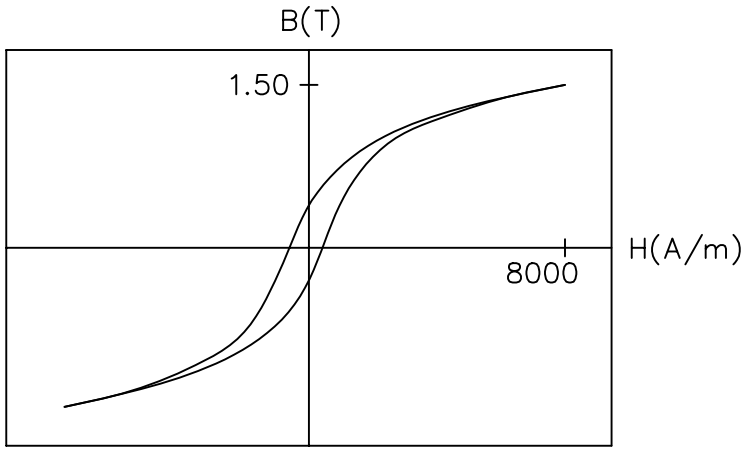
MP4510XDGC





TYPICAL B–H LOOP

Boxed Core Specifications				Bare Core Specifications		
PART NO.	OD mm	ID mm	HT mm	OD mm	ID mm	HT mm
MP4510XDGC	48.1	19.9	11.50	44.91	22.23	9.53
Tolerance (mm)	±0.6	±0.6	±0.6			

Box Designation (X)	Material DuPont	Manufacturer UL File #	Manufacturer Flammability Rating	Manufacturer Recommended Temperature
P	ZYTEL 70G33L	E41938	HB	120°C
L	ZYTEL FR50	E41938	94 V0	130°C
V	RYNITE FR530L	E69578	94 V0	150°C

Performance Specifications							
l_m cm	A_c cm^2	Mass g	Vol cm^3	Initial Perm	A_l nH	W_a cm^2	W_aA_c cm^4
10.55	0.940	71.16	9.91	245	274.4	3.10	2.912

A_l is measured at 10 kHz/100 mV.

NOTE:

1. PART IDENTIFICATION CODE AND MANUFACTURING DATE CODE ARE PRINTED ON SURFACES AS SHOWN.
2. ALL MEASUREMENTS ARE DONE AT ROOM TEMPERATURE.
3. MAXIMUM CONTINUOUS OPERATING TEMPERATURE WILL BE 120°C(IF "P" TYPE BOX USED), 130°C (IF "L" TYPE BOX USED) AND 150°C (IF "V" TYPE BOXED IS USED)

MAGNETIC TOLERANCES:
PERMEABILITY ± 15%
A_l ± 15%
Mass ± 3%

CORE MATERIAL:
METGLAS® ALLOY 2605SA1.

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

TOLERANCES UNLESS OTHERWISE SPECIFIED

NO.	REVISION	BY	APPR.	DATE
1.	ADDED NOTE # 3 & COMPANY NAME WAS HONEYWELL	VS	RK	02/10/04

DIMENSIONS	MM	DESCRIPTION	MICROLITE MAGNETIC TOROIDAL CORES		SHEET	PART NO.	REV. NO.		
SCALE	N.T.S	MATERIAL	AS NOTED		1 OF 1	MP4510XDGC	1		
PROJECTION	THIRD ANGLE	HITACHI METGLAS	SR	07/19/01	SR	07/19/01	RH,RM,ST	07/19/01	
			DRAWN	DATE	CHECKED	DATE	APPROVED	DATE	

EG/FM/11/1