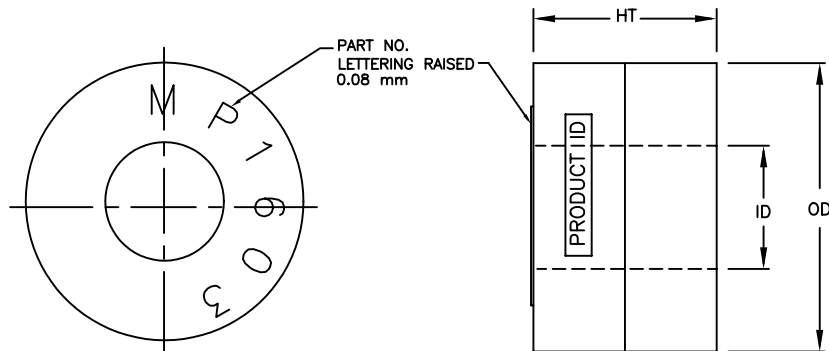


MP1603XDGC



Boxed Core Specifications				Bare Core Specifications		
PART NO.	OD mm	ID mm	HT mm	OD mm	ID mm	HT mm
MP1603XDGC	18.2	7.9	4.7	15.80	9.53	3.18
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

**NOTE:**

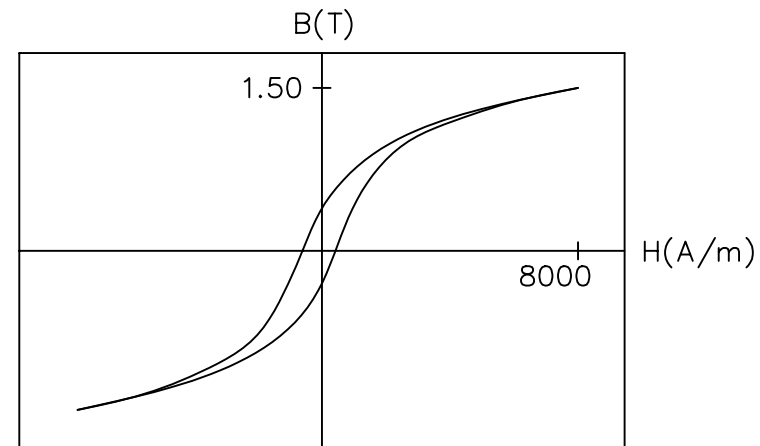
- PART IDENTIFICATION CODE AND MANUFACTURING DATE CODE ARE PRINTED ON SURFACES AS SHOWN.
- ALL MEASUREMENTS ARE DONE AT ROOM TEMPERATURE.
- MAXIMUM CONTINUOUS OPERATING TEMPERATURE WILL BE 120°C ( IF "P" TYPE BOX USED), 130°C ( IF "L" TYPE BOX USED) AND 150°C ( IF "V" TYPE BOXED IS USED)

**MAGNETIC TOLERANCES:**

PERMEABILITY ± 15%  
 $A_i$  ± 15%  
 Mass ± 3%

**CORE MATERIAL:**

METGLAS<sup>®</sup> ALLOY 2605SA1.



**TYPICAL B-H LOOP**

Performance Specifications							
$l_m$ cm	$A_c$ cm <sup>2</sup>	Mass g	Vol cm <sup>3</sup>	Initial Perm	$A_i$ nH	$W_a$ cm <sup>2</sup>	$W_a A_c$ cm <sup>4</sup>
3.98	0.087	2.47	0.34	270	73.9	0.49	0.042

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

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

<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		MICROLITE MAGNETIC TOROIDAL CORES		SHEET		PART NO.		REV. NO.	
			1.	ADDED NOTE # 3 & COMPANY NAME WAS HONEYWELL		VS	RK	02/10/04	SCALE	N.T.S					1 OF 1		MP1603XDGC		1	
									PROJECTION	THIRD ANGLE										
									<div>HITACHI METGLAS</div>											
												SR	07/19/01	SR	07/19/01	RH, RM, ST		07/19/01		
											DRAWN	DATE	CHECKED	DATE	APPROVED		DATE			