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REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	TDK	7/29/05	JLAU	7/29/05

7 BUILT TO RoHS COMPLIANCE AND LEAD FREE

WHERE SHOWN, USING A PERMANENT EPOXY INK
MARK PART NUMER AND REVISION IN (BLACK) APPROX
6 WRAP INDUCTOR WITH GLASS TAPE, (PER NOTE 2)

MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE
FLUSH WITH THE COIL EDGE, AS SHOWN (I.E. COIL
5 REMOVE INSULATION AND TIN LEADS APPROX. 1.0 INCH

WIND COILS EVENLY SPACED
4 CONSTRUCTION:

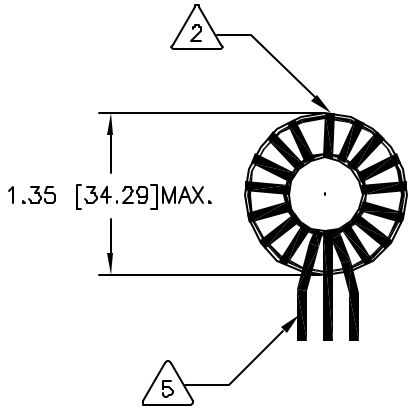
HI–POT TEST COIL TO CORE = 500VDC.
CURRENT RATING= 50AMPS,44°C TEMP. RISE,NO AIR FLOW
DCR= 1.5 mOHMS MAX (ALL 3 STRANDS IN PARALLEL)
L= 10.0uH ±10%(100 KHZ), <1Vrms);
3 SPECIFICATIONS @ 25 °C

OUTER WRAP: 3M GLASS CLOTH TAPE
WIRE: UL RECOGNIZED 200° C RATED MAGNET WIRE

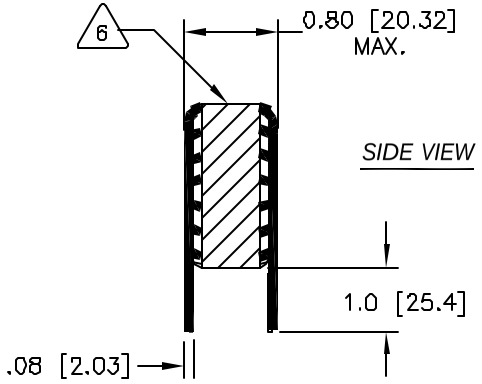
2 SUPPLIER: CWS BYTEMARK (www.cwsbytemark.com)
CORE: MPP TOROID,COATED

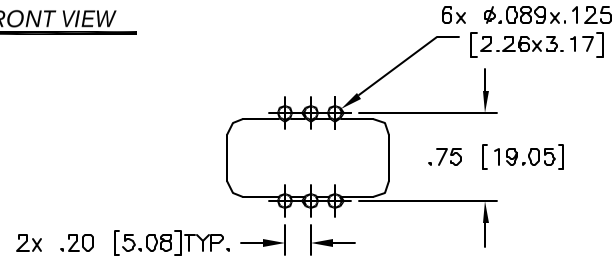
RATING CLASS B (130°) REQUIRED
1. MATERIAL: UL RECOGNIZED 94V–0 FLAMMABILITY

NOTES: READ FROM BOTTOM UP.



FRONT VIEW





MOUNTING HOLES PATTERN

	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				

UNLESS OTHERWISE SPECIFIED	SIGN	DATE
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	AUTOCAD	X
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS]	SOLIDWORKS	
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 ∠=±0°30'	DRAWN TDK	7/29/05
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 ∠=±0°30'	CHECK KKSUM	7/29/05
ANGLE PROJECTION	ENGR. JLAU	7/29/05
DO NOT SCALE DRAWING	APPR. JLAU	7/29/05

COILWS.COM, INC
www.coilws.com
CWS Coil Winding Specialist.
1510 E. Edinger Ave.
Unit B, Santa Ana, CA. 92705

TITLE: 50A Differential Mode Inductor

SIZE B | DWG. NO. MP270–100–50A | REV A

SCALE 1=1 | SHEET 1 OF 1

CAD–FILE: