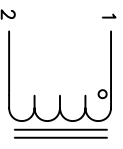


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REVISION HISTORY

REV	ECN	DESCRIPTION	BR	DATE	CHK	DATE
A		PRODUCTION RELEASE	TDK	7/29/05	JLAU	7/29/05
B		REVISED DIMENSIONS & SPECIFICATIONS	KLC	4/20/09	AM	4/20/09



SCHEMATIC

7 BUILT TO ROHS COMPLIANCE AND LEAD FREE

6 WHERE SHOWN MARK PART NUMBER AND REVISION IN APPROX WRAP INDUCTOR WITH GLASS TAPE, (PER NOTE 2)

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

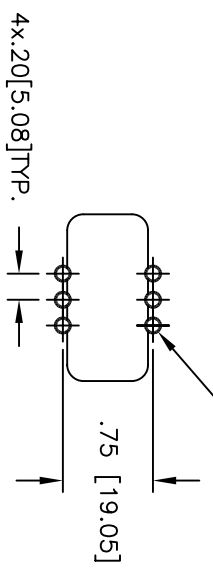
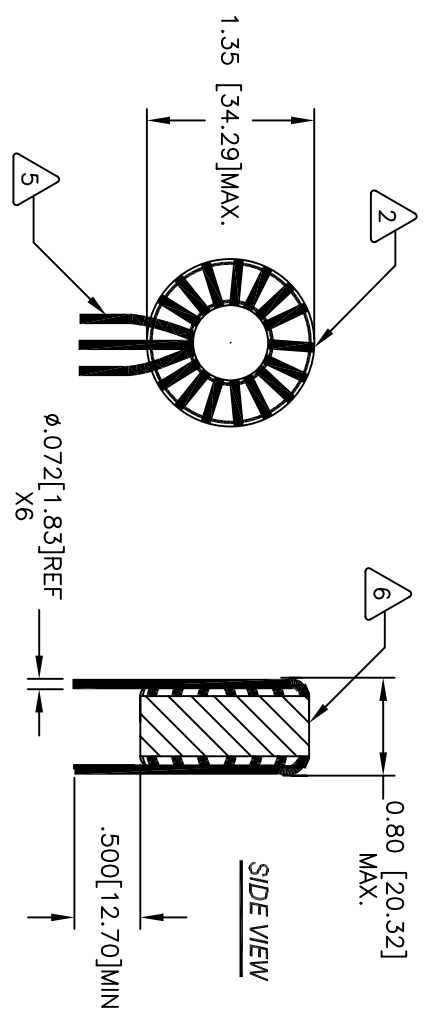
4 WIND THIRD WIRE IN BETWEEN THE BIFILAR WINDING WIND BIFILAR COIL EVENLY SPACED CONSTRUCTION:

3 HI-POT TEST COIL TO CORE = 500VDC.
CURRENT RATING= 50AMPS,44°C TEMP. RISE,NO AIR FLOW
DCR= 2.0 MOHMS MAX (ALL 3 STRANDS IN PARALLEL)
INDUCTANCE AT 50 AMP ~ 2.2 uH
INDUCTANCE AT 20 AMP ~ 8.0 uH
L= 10.0uH ±15%(100 KHZ), <1Vrms);
SPECIFICATIONS @ 25 °C

2 OUTER WRAP: 3M #79 GLASS CLOTH TAPE OR EQUAL WIRE: UL RECOGNIZED 200° C RATED MAGNET WIRE SUPPLIER: CWS BYTEMARK (www.cwsbytemark.com) CORE: MPP TOROID, COATED

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

NOTES: READ FROM BOTTOM UP.



MOUNTING HOLES PATTERN

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
		PARTS LIST	
AUTOCAD SOLIDWORKS	X	COLLWS COM, INC www.collws.com	CWS Coil Winding Specialist. 353 W Grove Ave Orange, CA 92865
DRWN	DATE	ENGR	APPR
TDK	7/29/05	JLAU	JLAU
CHKD	DATE	ENGR	APPR
KKSJM	7/29/05	JLAU	JLAU
TITLE:		SIZE	
Differential Mode Inductor		Dwg. No.	
10.0 uH, 50 Amp		MP270-100M-50AV	
SCALE		REV	
NOT-TO-SCALE		B	
SHEET 1 OF 1		REV B	

UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
TOLERANCE INCHES: .XX=±.015 .X=±.030
TOLERANCE METRICS: .XX=±.38 .X=±.76
ANGLE PROJECTION

DO NOT SCALE DRAWING