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SCHEMATIC

7 BUILT TO ROHS COMPLIANCE AND LEAD FREE

6 WHERE SHOWN, USING A PERMANENT MARKING METHOD IF APPLICABLE. MARK PART NUMBER AND REVISION

5 FLUSH WITH THE COIL EDGE, AS SHOWN
REMOVE INSULATION AND TIN LEADS APPROX. 0.75 INCH

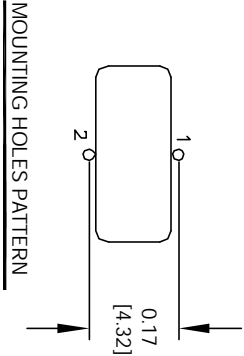
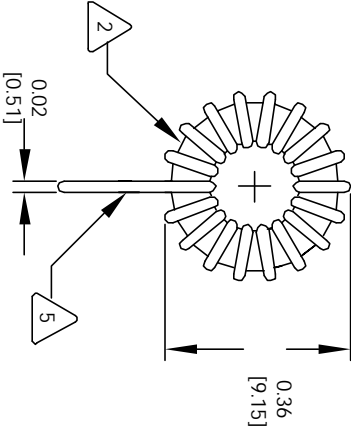
4 WIND WIRE TO CORE EVENLY SPACED
CONSTRUCTION:

WEIGHT = 1.4 GRAMS
HI-POT TEST FOR WIRE TO CORE = 500 VDC
INDUCTANCE @ RATED CURRENT = 10.7 uH
DC CURRENT RATING = 1.0 AMPS MAX
DCR = 28 MILLI-OHMS, MAX
INDUCTANCE @ 0 AMPS = 12.0 uH, $\pm 20\%$, 1 KHz., 0.25 Vrms
SPECIFICATIONS @ 25 °C

3 WIRE: UL RECOGNIZED 130°C RATED MAGNET WIRE
CORE: COATED IRON POWDER

2 CORE COATING RATING CLASS B (130°) REQUIRED
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY
NOTES: UNLESS OTHERWISE SPECIFIED, TOROIDAL INDUCTOR
READ FROM BOTTOM UP.

VERTICAL CONFIGURATION



MOUNTING HOLES PATTERN

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	DATE
B		PRODUCTION RELEASE	RPR	6/20/06	6/20/06

CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				
AUTOCAD		X		
SOLIDWORKS				
SIGN		DATE		
DRAWN	RPR	6/20/06		
CHECKED	JLU	6/20/06		
ENGR.	KSUM	6/20/06		
APPR.	JLU	6/20/06		
TITLE				
Power Toroidal Inductors				
Vertical Mount				
SIZE DIM. NO.				
B		TC-120M-1A-30V		REV B
SCALE				
2=1				
DO NOT SCALE DRAWING				
UNLESS OTHERWISE SPECIFIED				
DIMENSIONING AND TOLERANCE PER ANSI Y14.2M AND (MILLIMETERS)				
ALL DIMENSIONS ARE IN INCHES				
TOLERANCE INCHES: .XXX=±.005 .XX=±.010 .X=±.030				
TOLERANCE METRIC: .XXX=±.127 .XX=±.254 .X=±.635				
ANGLE PROJECTION				
DO NOT SCALE DRAWING				