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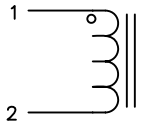
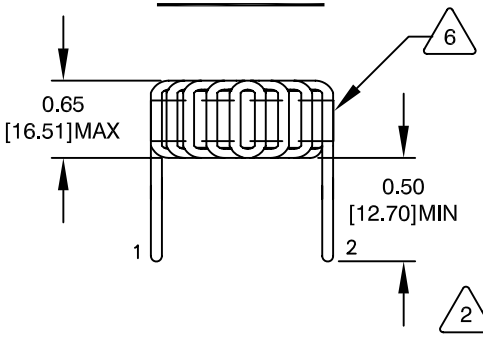
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	RPR	6/08/04	JLAU	6/08/04
B		ELECT. AND MECH. UPDATE	GN	1/26/12	AK	1/26/12
C		DIMENSIONAL SPEC. CHANGE	GN	4/30/13	AK	4/30/13

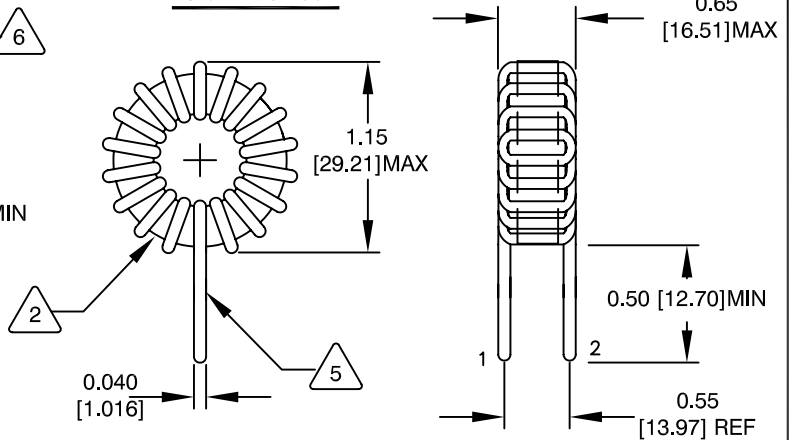


SCHEMATIC

TC-321M-5A-90H



TC-321M-5A-90V



7 RoHS COMPLIANT 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. 0.5 INCH

WIND WIRE TO CORE EVENLY SPACED

4 CONSTRUCTION:

WEIGHT = 34.0 GRAMS
HI-POT TEST FOR WIRE TO CORE = 500 VDC
INDUCTANCE @ RATED CURRENT = 120.00 uH
IMPEDANCE = 4.65 KILO-OHMS @ 1.3 MHz
SRF = 1.3 MHz
INTERWINDING CAPACITANCE = 49.17 pF @ 10 KHz
DC CURRENT RATING = 5.0 AMPS MAX
DCR= 55 MILLI-OHMS MAX
INDUCTANCE @ 0 AMPS = 304.56 uH, ± 20% , 1 KHz., 0.25 Vrms

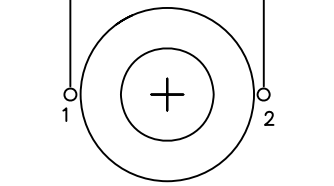
3 SPECIFICATIONS @ 25 °C

2 WIRE: UL RECOGNIZED 155°C OR HIGHER CLASS RATED MAGNET WIRE
CORE: COATED MICROMETAL IRON POWDER

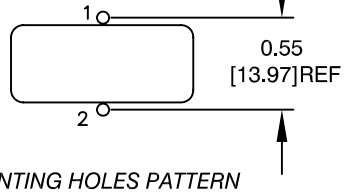
CORE COATING RATING CLASS B (130°) REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED. TOROIDAL INDUCTOR



MOUNTING HOLES PATTERN



MOUNTING HOLES PATTERN

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

UNLESS OTHERWISE SPECIFIED		
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].		
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 ∢=±0°30'		
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 ∢=±0°30'		
ANGLE PROJECTION		
DO NOT SCALE DRAWING		
AUTOCAD	X	
SOLIDWORKS		
SIGN	DATE	
DRAWN RPR	6/08/04	
CHECKED JLAU	6/08/04	
ENGR. KSUM	6/08/04	
APPR. JLAU	6/08/04	

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TITLE: Power Toroidal Inductors Vertical & Horizontal

SIZE	DWG. NO.	REV
B	TC-321M-5A-90_	C
SCALE 2=1	SHEET 1 OF 1	

CAD-FILE: