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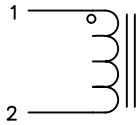
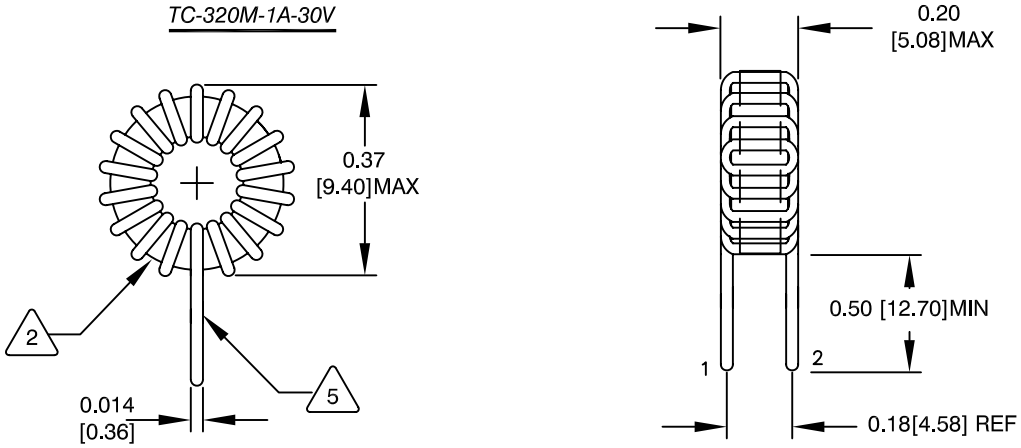
REVISION HISTORY

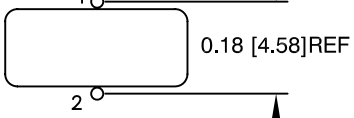
REV	ECN	DESCRIPTION	SIGN & DATE BY	DATE	CHK	DATE
D	130509	CHANGE DIMENSIONS AND ADD SPEC	AK	5/09/13	BO	5/09/13



SCHEMATIC

TC-320M-1A-30V





MOUNTING HOLES PATTERN

6 BUILD TO RoHS COMPLIANCE

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 = 1.2 GRAMS
HI-POT TEST FOR WIRE TO CORE = 500 VDC
INDUCTANCE @ RATED CURRENT = 25 uH TYP
IMPEDANCE = 1.0 KILO-OHMS @ 11 MHz
SRF = 11 MHz
INTERWINDING CAPACITANCE = 6.35 pF TYP @ 10 KHz
DC CURRENT RATING = 1.0 AMPS MAX
DCR= 93 MILLI-OHMS MAX
INDUCTANCE @ 0 AMPS = 32 uH, ± 20% , 1 KHz., 0.25 Vrms

3 SPECIFICATIONS @ 25 °C

WIRE: UL RECOGNIZED 155°C OR HIGHER CLASS RATED MAGNET WIRE

2 CORE: COATED MICROMETAL IRON POWDER

CORE COATING RATING CLASS B (130°) REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED.
READ FROM THE BOTTOM UP

	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

AUTOCAD		X
SOLIDWORKS		
SIGN		DATE
DRAWN	RPR	6/20/06
CHECKED	JLAU	6/20/06
ENGR.	KSUM	6/20/06
APPR.	JLAU	6/20/06

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

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TITLE: Power Toroidal Inductors Vertical & Horizontal

SIZE B | DWG. NO. TC-320M-1A-30V | REV D

SCALE