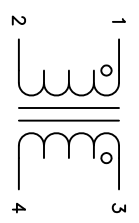


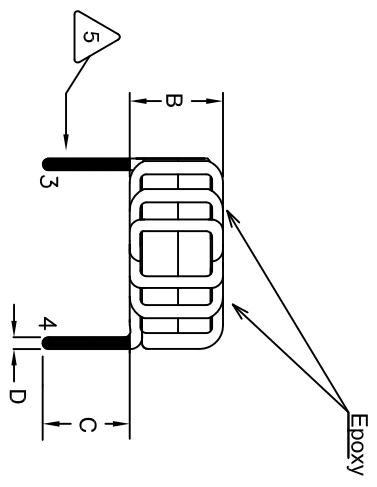
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DIMENSIONAL TOLERANCE INCHES [MM]					
A(OD) MAX	B (WIDTH) MAX	C(LEAD) MIN	D(LEAD DIA) MIN	P1 REF	P2 REF
1.32" [33.50]	0.75" [19.0]	0.50" [12.70]	0.04" [1.02]	0.25" [6.35]	1.10" [27.94]

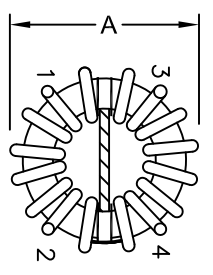
REVISION HISTORY			SIGN & DATE			
REV	ECN	DESCRIPTION	BY	DATE	CHEK	DATE
B	N/A	ELEC. AND MECH. UPDATED	AK	3/16/11	JLU	3/16/11
C	N/A	ELEC. AND MECH. UPDATED	AK	11/08/12	JLU	11/08/12
D	160208	REVISE ELECTRICAL AND DIMENSIONS	AK	02/15/16	JM	02/15/16
D1	160208	REVISE DESCRIPTION	AK	07/07/17	JLU	07/07/17



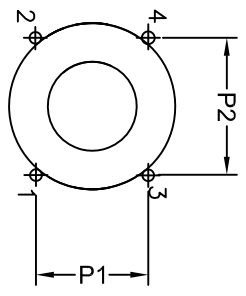
**SCHEMATIC**



**FRONT VIEW**



**BOTTOM VIEW**



**FOOTPRINT**

- 7 BUILT TO ROHS COMPLIANCE
- 6 MARK PART NUMBER AND REVISION IF APPLICABLE.
- WITH COIL EDGE.  
TRIM LEADS APPROX. 0.5 INCH AND FLUSH APPLY EPOXY TO SPACER WHERE SHOWN.  
REMOVE WIRE INSULATION AND TIN.
- 5 WIND COILS EVENLY SPACED  
CONSTRUCTION:

- 4 WEIGHT = 32 GRAMS  
MAX TEMP RISE = 40°C  
OPERATING RANGE : -25° TO 120°C  
INTER WINDING ISOLATION = 2000 VOLTS RMS, 3mA, 2 sec.  
INTERWINDING CAPACITANCE = 14.60 pF TYP @ SRF  
IMPEDANCE = 16.0 KΩ TYP @ SRF  
SRF = 304.0 KHZ TYPICAL  
LEAKAGE INDUCTANCE = 25.0 uH TYP @ 10KHZ, 1Vrms  
INDUCTANCE = 48.0 mH MIN @ 1 KHz, 1 Vrms, 0 Amps  
DCR ON EACH WINDING = 25.0 mΩ MAX  
MAX VOLTAGE ACROSS TERMINALS 1-2 OR 3-4 = 250 VAC OR VDC  
RATED CURRENT = 7.0 AMPS  
INSULATION RESISTANCE = 100 MEGA-OHMS MIN @ 500 VDC  
SPECIFICATIONS @ 25°C
- 3 WIRE: UL CLASS 200°C WIRE  
CWS BYTEMARK OR OTHER APPROVED PART  
CORE: NANO CRYSTALLINE OR AMORPHOUS CORE
- 2 CASE = UL CLASS B (130°) RATING  
MATERIAL: UL RECOGNIZED
- 1

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

PARTS LIST	
AUTOCAD SIGN	X
SOLIDWORKS SIGN	

FORM	DATE	TITLE	SIZE	SCALE	SHEET	OF	REV
RAW	12/16/10	Nanocrystalline Inductor	3.50"	N/A	1	1	D1
DRGD	12/16/10	Common Mode Choke	3.50"	N/A			
ENGR	12/16/10	Horizontal Mount CAGE# 5DME2	3.50"	N/A			
APPR	03/16/11		3.50"	N/A			

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
ALL DIMENSIONS ARE IN INCHES AND [DIMENSIONS]	
TOLERANCE INCHES:	±0.030"
20X±0.008	±0.030"
10X±0.015	±0.030"
3X±0.030	±0.030"
ANGLE PROJECTION	1st Angle
DO NOT SCALE DRAWING	

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
ALL DIMENSIONS ARE IN INCHES AND [DIMENSIONS]	
TOLERANCE INCHES:	±0.030"
20X±0.008	±0.030"
10X±0.015	±0.030"
3X±0.030	±0.030"
ANGLE PROJECTION	1st Angle
DO NOT SCALE DRAWING	

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
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ANGLE PROJECTION	1st Angle
DO NOT SCALE DRAWING	