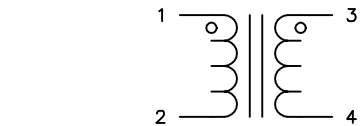


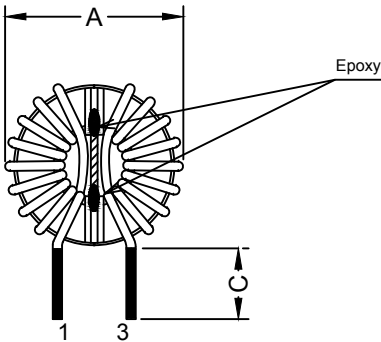
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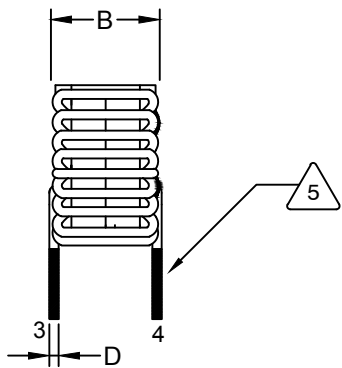
SCHEMATIC

DIMENSIONAL TOLERANCE INCHES [MM]							
A(OD) MAX	B (WIDTH) MAX	C(LEAD) MIN	D(LEAD DIA) MIN		P1 REF	P2 REF	
1.38" [35.00]	0.80" [20.32]	0.50" [12.70]	0.05" [1.17]		0.70" [17.78]	0.50" [12.70]	

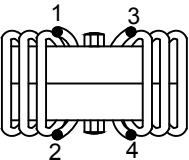
REVISION HISTORY							
REV	ECN	DESCRIPTION	SIGN & DATE				
			BY	DATE	CHK	DATE	
B	N/A	ELEC. AND MECH. UPDATED	GN	3/30/11	JLAU	3/30/11	
C	N/A	ELEC. AND MECH. UPDATED	AK	11/08/12	JLAU	11/08/12	
D	160208	REVISE ELECTRICAL AND DIMENSIONS	AK	02/15/16	JM	02/15/16	
D1	160208	REVISE DESCRIPTION	JL	07/07/17	JLAU	07/07/17	



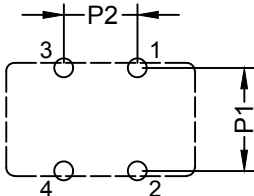
FRONT VIEW



SIDE 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.

WIND COILS EVENLY SPACED
CONSTRUCTION:

WEIGHT = 40 GRAMS
MAX TEMP RISE = 40°C
OPERATING RANGE : -25° TO 120°C
INTER WINDING ISOLATION = 2000 VOLTS RMS, 3mA, 2 sec.
INTERWINDING CAPACITANCE = 3.0 pF TYP @ SRF
IMPEDANCE = 2.30 kΩ TYP @ SRF
SRF = 5.70 MHz TYPICAL
LEAKAGE INDUCTANCE = 2.70 μH TYP @ 10kHz, 1Vrms
INDUCTANCE = 3.0 mH MIN @ 1 KHz, 1 Vrms, 0 Amps
DCR ON EACH WINDING = 2.70 mΩ MAX
MAX VOLTAGE ACROSS TERMINALS 1-2 OR 3-4 = 250 VAC OR VDC
RATED CURRENT = 20.0 AMPS
INSULATION RESISTANCE = 100 MEGA-OHMS MIN @ 500 VDC
SPECIFICATIONS @ 25°C

WIRE: UL CLASS 200°C WIRE
CWS BYTEMARK OR OTHER APPROVED PART
CORE: NANO CRYSTALLINE OR AMORPHOUS CORE

CASE = UL CLASS B (130°) RATING
MATERIAL: UL RECOGNIZED

NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.

PARTS LIST									
AUTOCAD		X		WWW.COILWS.COM, INC sales@coilws.com		CWS Coil Winding Specialist. 353 WEST GROVE AVE ORANGE, CA. 92865 (CAGE: 5DME2)			
SOLIDWORKS									
UNLESS OTHERWISE SPECIFIED		SIGN		DATE		TITLE: Nanocrystalline Inductor Common Mode Choke Vertical Mount CAGE# 5DME2			
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS]. TOLERANCE INCHES: .000"=±.005 .001"=±.015 .010"=±.030 TOLERANCE METRICS: .000"=±.127 .001"=±.38 .010"=±.30 ANGLE PROJECTION 		DRAWN		RLAU 12/16/10					
		CHECKED		AK 12/16/10					
		ENGR.		JLAU 12/16/10					
		APPR.		JLAU 03/30/11					
		DO NOT SCALE DRAWING							
				SIZE		DWG. NO.		REV	
						HN-V-302U-20A		D1	
				SCALE		N/A		SHEET 1 OF 1	

CAD-FILE: