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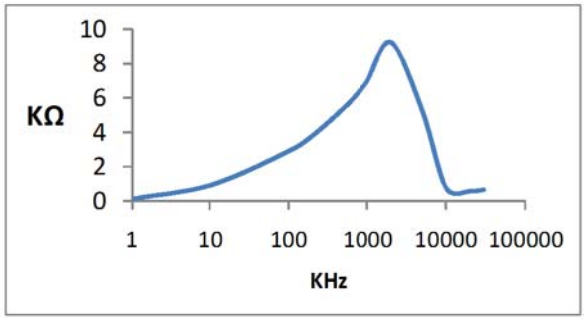
IMPEDANCE



DIMENSIONAL TOLERANCE INCHES [MM]						
A(OD) Max	B(WIDTH) Max	C(LEAD) Min	D(LEAD DIA) TYP	E (Min/Max)	P1 Ref	P2 Ref
1.26 [32.0]	0.71 [18.0]	0.5 [12.7]	0.04 [1.02]		0.64 [16.15]	0.40 [10.1]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE BY	DATE	CHK	DATE
B		ELEC. AND MECH. UPDATE	GN	3/22/11	JLAU	3/22/11
C		ELEC. AND MECH. UPDATE	GN	9/14/12	JLAU	9/14/12
C1		REVISE DESCRIPTION	JL	07/07/17	JLAU	07/07/17

6 BUILT TO RoHS COMPLIANCE AND LEAD FREE.

5 MARK PART NUMBER AND REVISION IF APPLICABLE.

4 TIN LEADS APPROX. 0.5 INCH AND FLUSH WITH THE COIL EDGE.

WEIGHT = 34 GRAMS
OPERATING TEMP RANGE = -25 °C TO 120°C
MAX TEMP RISE = 40 °C
INTERWINDING ISOLATION = 2000 VOLTS RMS, 3 mA, 2 sec.
DCR ON EACH WINDING = 18.0 mΩ MAX
SRF = 950 KHz TYP
MAX VOLTAGE ACROSS TERMINALS 1-2 OR 3-4 = 250 VAC OR VDC
RATED CURRENT = 8 AMPS
LEAKAGE INDUCTANCE = 12.0 uH TYP @ 10KHz 1 Vrms
INTERWINDING CAPACITANCE= 1.73 pF TYP @ 10 KHz
IMPEDANCE =7 kΩ TYP @ 950 KHz
L = 20 mH MIN @ 1 KHz, 1 Vrms, 0 ADC
INSULATION RESISTANCE = 100 MEGA-OHMS MIN. @ 500 VDC

3 SPECIFICATIONS AT 25°C:

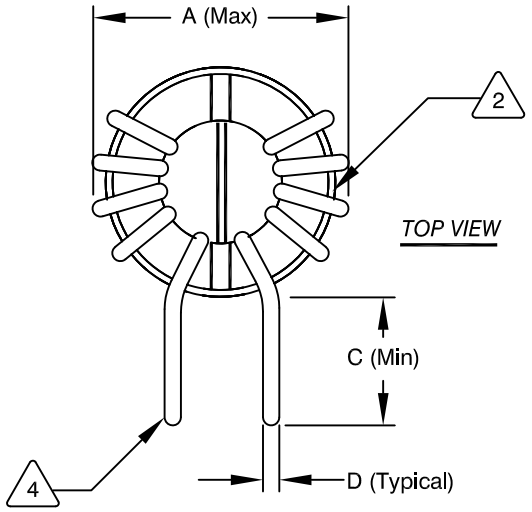
WIRE: UL CLASS 200°C
CWS BYTEMARK OR OTHER APPROVED PART

2 CORE: NANOCRYSTALLINE OR AMORPHOUS CORE

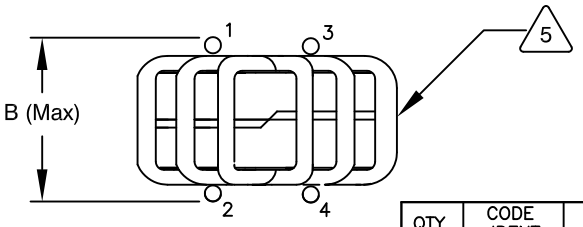
BOBBIN/CASE = UL CLASS B (130°)

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

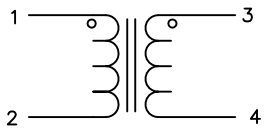
NOTES: UNLESS OTHERWISE SPECIFIED. READ NOTES FROM BOTTOM TO TOP.



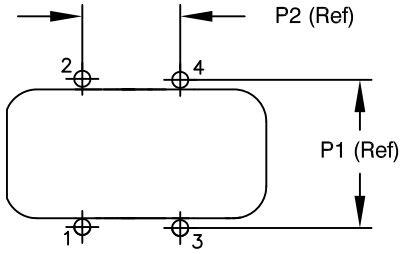
TOP VIEW



BOTTOM VIEW



SCHEMATIC



MOUNTING HOLES PATTERN

QTY	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	RLAU	12/16/10
CHECKED	AK	12/16/10
ENGR.	JLAU	12/16/10
APPR.	JLAU	3/22/11

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Orange, California. 92865

TITLE: Nanocrystalline Inductor Common Mode Chokes Vertical Mount CAGE# 5DME2

SIZE	DWG. NO.	REV
B	HN-V-163U-8A	C1

SCALE NOT TO SCALE SHEET 1 OF 1

CAD-FILE: