IMPEDANCE

KΩ

KHz

DIMENSIONAL TOLERANCE INCHES [MM]						
A(OD) Max	B(WDTH) Max	C(LEAD) Min	D(LEAD DIA) TYP	E (Min/Max)	P1 Ref	P2 Ref
0.96 [24.45]	0.71 [17.93]	0.50 [12.7]	0.06 [1.50]		0.41 [10.5]	0.75 [19.0]

REVISION HISTORY

REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
				SIGN & DATE		
A.1	1	PRODUCTION RELEASE	RCL	7/1/11	JLAU	7/1/11

6   BUILT TO RoHS COMPLIANCE AND LEAD FREE.

5   MARK PART NUMBER AND REVISION.

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

WEIGHT = 12.5 GRAMS (TYP)
OPERATING TEMP RANGE = -25 °C TO 120°C
MAX TEMP RISE = 40 °C
INTERWINDING ISOLATION = 2000 VOLTS RMS.
DCR ON EACH WINDING = 2.7 mΩ MAX.
SRF = 25 MHz
RATED VOLTAGE = 250 VAC OR VDC
RATED CURRENT = 10 AMPS
LEAKAGE INDUCTANCE = 1.0 uH TYP @ 10 KHz, 1 Vrms.
INTERWINDING CAPACITANCE= 0.23 pF TYP @ 10KHz.
IMPEDANCE @ SRF = 378.9 Ω (TYP)
L = 0.25 mH MIN @ 1 KHz, 1 Vrms, 0 ADC
INSULATION RESISTANCE = 100 MEGA-OHMS MIN. @ 500 VDC

3   SPECIFICATIONS AT 25°C:

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART

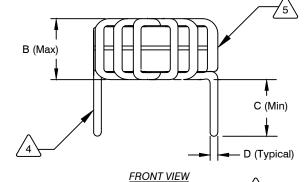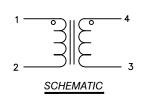2   CORE: NANOCRYSTALLINE OR AMORPHOUS CORE
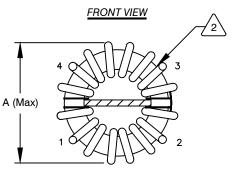
BOBBIN RATING CLASS B (130°) REQUIRED
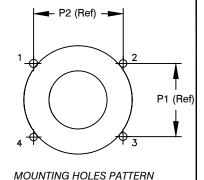
1   MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED. READ NOTES FROM BOTTOM TO TOP.
CAGE CODE = 5DME2

B (Max)

C (Min)

D (Typical)

FRONT VIEW

A (Max)

BOTTOM VIEW

SCHEMATIC

P2 (Ref)

P1 (Ref)

MOUNTING HOLES PATTERN

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
		PARTS LIST		

AUTOCAD	X			
SOLIDWORKS		**www.coilws.com**	Coil Winding Specialist Inc.	
SIGN	DATE	sales@coilws.com	353 West Grove Ave Orange, California. 92865	
DRAWN	RLAU	12/16/10	TITLE:	

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

DRAWN	RLAU	12/16/10
CHECKED	AK	12/16/10
ENGR.	JLAU	12/16/10
APPR.	JLAU	12/16/10

TITLE: Nanocrystalline Inductor Common Mode Chokes Horizontal Mount

SIZE B DWG. NO. GN-H-251U-10A REV A.1

SCALE 2=1   SHEET 1 OF 1

CAD-FILE: