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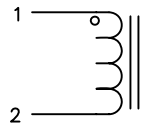
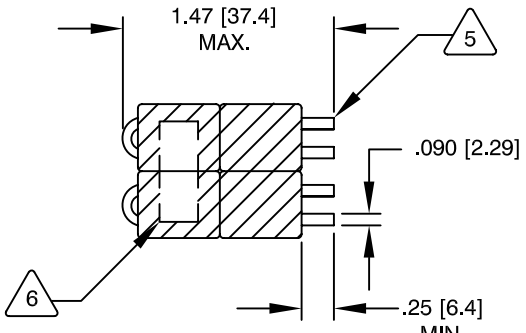
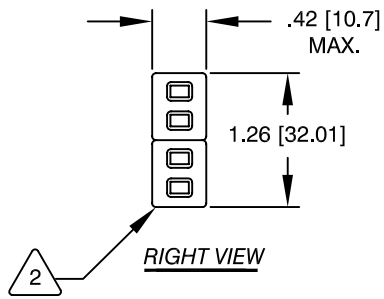
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
E		PRODUCTION RELEASE	RPR	1/30/06	JLAU	1/30/06
E1		UPDATED PN	GN	8/5/11	JLAU	8/5/11



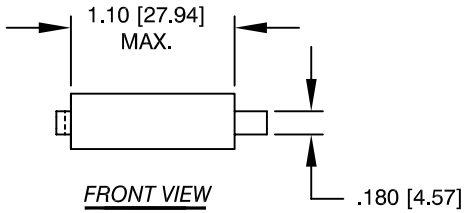
SCHEMATIC



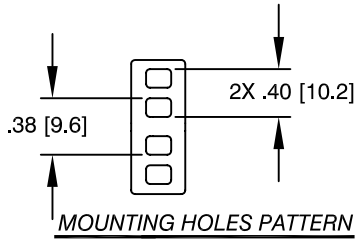
TOP VIEW



RIGHT VIEW



FRONT VIEW



MOUNTING HOLES PATTERN

7 BUILT TO RoHS COMPLIANCE AND LEAD FREE.

WHERE SHOWN, USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION APPROX
(PER NOTE 2)

6 WRAP KAPTON TAPE OVER CORE FOR INSULATION
TO SECURE WIRES TO CORE
LEAD LENGTH .33 INCH TINNED TO THE BASE, APPLY EPOXY

5 REMOVE INSULATION AND TIN LEADS APPROX. 0.25INCH

WIND BOTH COILS EVENLY SPACED

4 CONSTRUCTION:

HI-POT TEST FOR WINDING TO CORE = 1250 VDC
CURRENT RATING = 100 AMPS DC, MAX.
DCR= 1.4 MILLI-OHMS, MAX.
L= MEASURED AT 1.2 uH±25% WITH CENTER LEGS CONNECTED

3 SPECIFICATIONS @ 25°C

OUTER WRAP: 3M KAPTON TAPE
WIRE: UL RECOGNIZED 200° RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART

2 CORE: COATED 10MM MPP SQUARE BALUN CORE

WIRE INSULATION RATING : 200° C REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

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

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
6.0"	ESSEX	60-0118-0224-00	RECT. MAGNETIC WIRE	3
5"	LODEST	31-0092-0100-00	KAPTON TAPE 1" WIDTH	2
4	CWS	18-0155-0125-00	10mm IND. MPP, 125ui	1

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	RPR	1/30/06
CHECKED	JLAU	1/30/06
ENGR.	KSUM	1/30/06
APPR.	JLAU	1/30/06

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Coil Winding Specialist, Inc.
353 W. GROVE AVENUE
ORANGE, CA. 92865

TITLE: 100 Amps Differential Mode Inductor

SIZE B | DWG. NO. CWS-150216-PC | REV E1

SCALE 1=1 | SHEET 1 OF 1

CAD-FILE:10-0015-0218-00_B