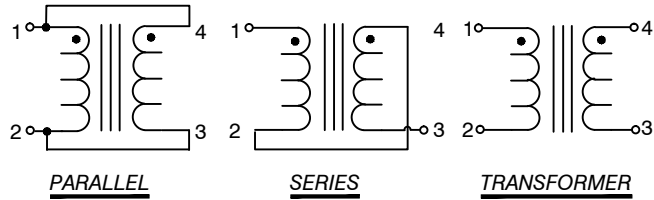


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7 BUILT TO RoHS COMPLIANCE AND LEAD FREE.

6 IF APPLICABLE MARK PART NUMBER

5 REMOVE INSULATION AND TIN LEADS

4 WIND ON TO CORE AND EVENLY SPACED CONSTRUCTION:

TO INSURE INTEGRITY OF WINDING SEPARATION
HI-POT TEST FOR WINDING TO WINDING = 300 VDC MIN.
MAX DCR IS $\pm 15\%$ OF TYPICAL VALUE.
SERIES DCR = 0.0207 OHMS TYP @ 20 °C
SERIES RMS CURRENT = 4.62 AMPS.
PARALLEL: (1,4 - 3,2), SERIES: (1 - 3) TIE (2 - 4).
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,
SERIES OPEN CIRCUIT INDUCTANCE = 5.57 μ H $\pm 25\%$,

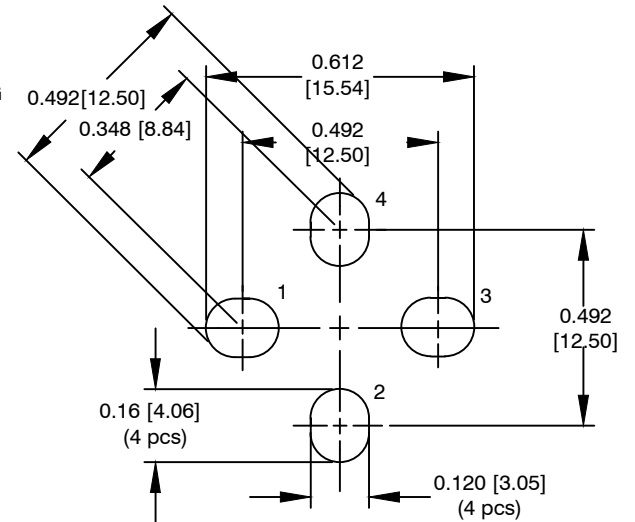
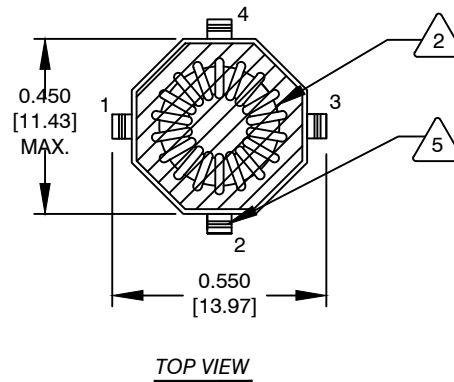
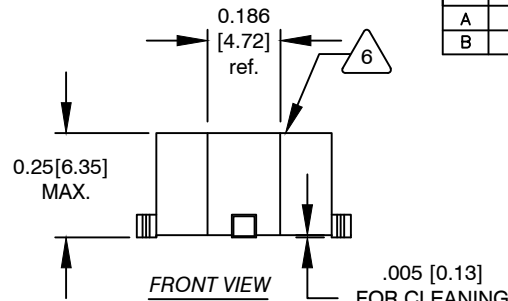
MAX DCR IS $\pm 15\%$ OF TYPICAL VALUE
PARALLEL DCR = 0.0052 OHMS TYP @ 20 °C,
DELTA TEMP 40 °C, AMBIENT TEMP 85 °C.
PARALLEL RMS CURRENT = 9.23 AMPS @
PARALLEL (1,4 - 3,2), SERIES (1 - 3) TIE (2 - 4).
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,
PARALLEL OPEN CIRCUIT INDUCTANCE = 1.39 μ H $\pm 25\%$,
PARALLEL RATED INDUCTANCE = 1.0 μ H

3 SPECIFICATIONS:

WIRE: UL RECOGNIZED 130°C RATING MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
CORE: TOROID

2

BOBBIN RATING CLASS B (130°C) REQUIRED
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY
NOTES: UNLESS OTHERWISE SPECIFIED.
READ FROM BOTTOM UP.



MOUNTING HOLES PATTERN

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	RPR	4/26/05	JLAU	4/26/05
B		FOOTPRINT AND NOTE UPDATE	RJL	4/30/11	JLAU	4/30/11

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.	
PARTS LIST					
AUTOCAD		X			
SOLIDWORKS					
SIGN		DATE	sales@coilws.com www.coilws.com	Coil Winding Specialist, Inc. 353 W. Grove Avenue Orange, CA 92865	
DRAWN	RPR	4/26/05	Parallel Series Inductor		
CHECKED	JLAU	4/26/05			
ENGR.	KSUM	4/26/05			
APPR.	JLAU	04/28/11			
TITLE:			SIZE DWG. NO.	REV	
			B	CX1-4-HF	B
SCALE			NOT_TO_SCALE	SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
TOLERANCE INCHES:
.XXX = ± 0.010 .XX = ± 0.015 $\angle = \pm 0^{\circ}30'$
TOLERANCE METRICS:
.XXX = ± 0.254 .XX = ± 0.381 $\angle = \pm 0^{\circ}30'$
ANGLE PROJECTION $\angle = \pm 0^{\circ}30'</math>
DO NOT SCALE DRAWING$