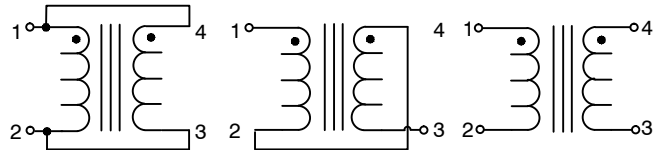


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PARALLEL                      SERIES                      TRANSFORMER

7 BUILD TO RoHS COMPLIANCE AND PB FREE

AND REVISION WHERE SHOWN  
6 IF APPLICABLE MARK PART NUMBER

5 REMOVE INSULATION AND TIN LEADS

WIND ON TO CORE AND EVENLY SPACED

4 CONSTRUCTION:

TO INSURE INTERGRITY OF WINDING SEPARATION  
HI-POT TEST FOR WINDING TO WINDING = 300 VDC MIN.  
MAX DCR IS ± 15% OF TYPICAL VALUE.  
SERIES DCR= 0.961 OHMS TYP @ 20 °C  
SERIES RMS CURRENT = 0.64 AMPS.  
PARALLEL: (1,4 - 3,2 ), SERIES: (1 - 3) TIE (2 - 4).  
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,  
SERIES OPEN CIRCUIT INDUCTANCE = 197.50 uH ± 25 %,

MAX DCR IS ± 15% OF TYPICAL VALUE  
PARALLEL DCR= 0.240 OHMS TYP @ 20 °C,  
DELTA TEMP 40 °C, AMBIENT TEMP 85 °C.  
PARALLEL RMS CURRENT = 1.28 AMPS @  
PARALLEL (1,4 - 3,2), SERIES (1 - 3) TIE (2 - 4).  
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,  
PARALLEL OPEN CIRCUIT INDUCTANCE = 49.38 uH ± 25 %,  
PARALLEL RATED INDUCTANCE = 50.0 uH

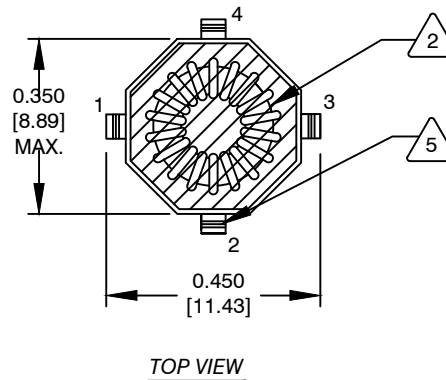
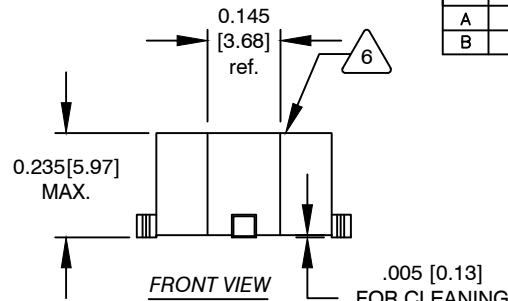
3 SPECIFICATIONS:

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

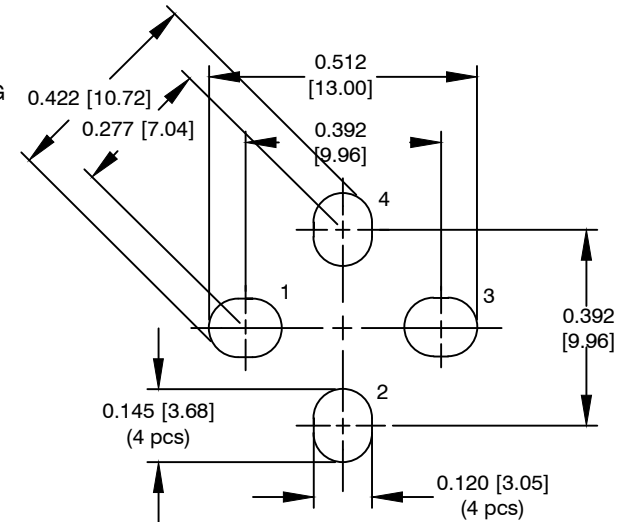
BOBBIN RATING CLASS B (130°C) REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.



.005 [0.13]  
FOR CLEANING  
CLEARANCE



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.
<b>PARTS LIST</b>				
AUTOCAD		X		
SOLIDWORKS				
SIGN		DATE	<a href="mailto:sales@coilws.com">sales@coilws.com</a>	Coil Winding Specialist, Inc. 353 W. Grove Avenue Orange, CA 92865
DRAWN	RPR	4/26/05	<a href="http://www.coilws.com">www.coilws.com</a>	
CHECKED	JLAU	4/26/05	TITLE:	Parallel Series Inductor
ENGR.	KSUM	4/26/05	SIZE DWG. NO.	
APPR.	JLAU	04/28/11	SCALE	
			B	CX50-2-HF
			NOT_TO_SCALE	REV B
			SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M  
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].  
TOLERANCE INCHES:  
.XXX=±.010 .XX=±.015 <math>\angle=±0°30'</math>  
TOLERANCE METRICS:  
.XXX=±.254 .XX=±.38 <math>\angle=±0°30'</math>  
ANGLE PROJECTION   
DO NOT SCALE DRAWING