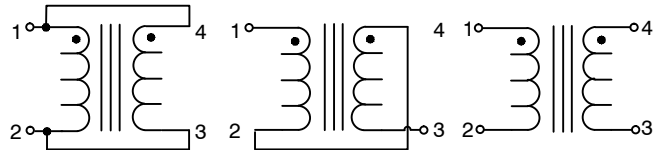


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PARALLEL SERIES TRANSFORMER

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= 0.188 OHMS TYP @ 20 °C
SERIES RMS CURRENT = 1.45 AMPS.
PARALLEL: (1,4 - 3,2), SERIES: (1 - 3) TIE (2 - 4).
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,
SERIES OPEN CIRCUIT INDUCTANCE = 45.50 uH ± 25 %,

MAX DCR IS ± 15% OF TYPICAL VALUE
PARALLEL DCR= 0.047 OHMS TYP @ 20 °C,
DELTA TEMP 40 °C, AMBIENT TEMP 85 °C.
PARALLEL RMS CURRENT = 2.89 AMPS @
PARALLEL (1,4 - 3,2), SERIES (1 - 3) TIE (2 - 4).
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,
PARALLEL OPEN CIRCUIT INDUCTANCE = 11.38 uH ± 25 %,
PARALLEL RATED INDUCTANCE = 10.0 uH

3 SPECIFICATIONS:

WIRE: UL RECOGNIZED 130°C RATING MAGNET WIRE

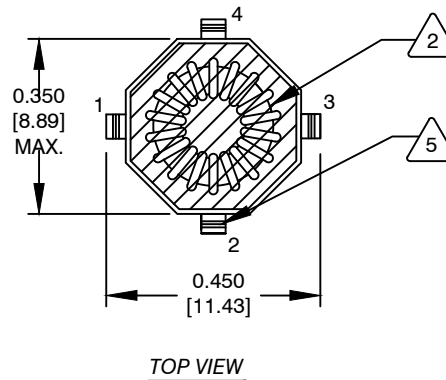
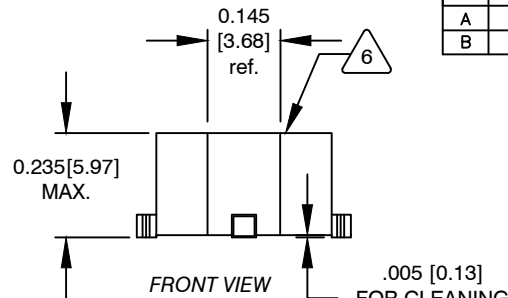
CWS BYTEMARK OR OTHER APPROVED PART

2 CORE: TOROID

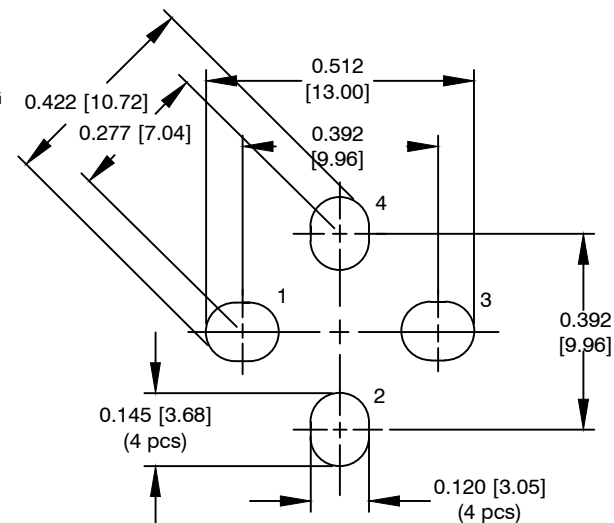
BOBBIN RATING CLASS B (130°C) REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.



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



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

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 SIZE DWG. NO. CX10-2-HF SCALE NOT_TO_SCALE	
CHECKED	JLAU	4/26/05		
ENGR.	KSUM	4/26/05		
APPR.	JLAU	04/28/11		
			REV	B
			SHEET 1 OF 1	