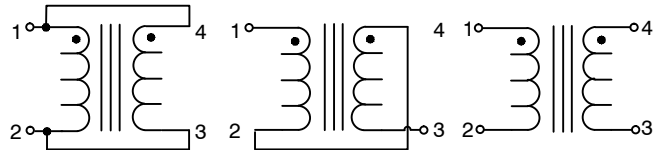


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PARALLEL SERIES TRANSFORMER

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 INTEGRITY OF WINDING SEPARATION
HI-POT TEST FOR WINDING TO WINDING = 300 VDC MIN.
MAX DCR IS ± 15% OF TYPICAL VALUE.
SERIES DCR= 0.218 OHMS TYP @ 20 °C
SERIES RMS CURRENT = 1.35 AMPS.
PARALLEL: (1,4 - 3,2), SERIES: (1 - 3) TIE (2 - 4).
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,
SERIES OPEN CIRCUIT INDUCTANCE = 61.94 uH ± 25 %,

MAX DCR IS ± 15% OF TYPICAL VALUE
PARALLEL DCR= 0.054 OHMS TYP @ 20 °C,
DELTA TEMP 40 °C, AMBIENT TEMP 85 °C.
PARALLEL RMS CURRENT = 2.69 AMPS @
PARALLEL (1,4 - 3,2), SERIES (1 - 3) TIE (2 - 4).
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,
PARALLEL OPEN CIRCUIT INDUCTANCE = 15.48 uH ± 25 %,
PARALLEL RATED INDUCTANCE = 15.0 uH

3 SPECIFICATIONS:

WIRE: UL RECOGNIZED 130°C RATING MAGNET WIRE

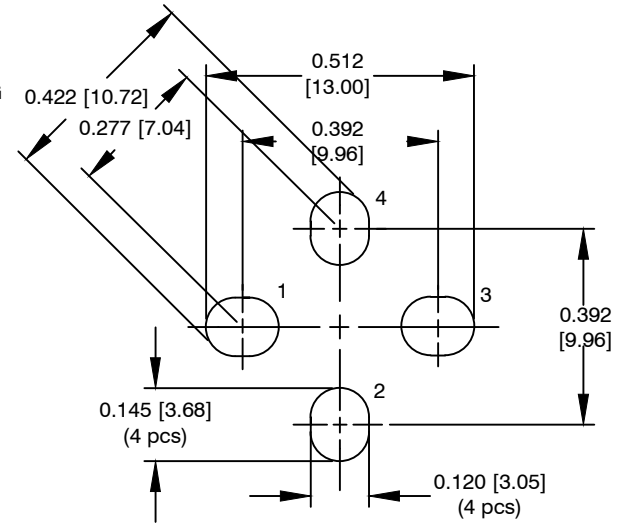
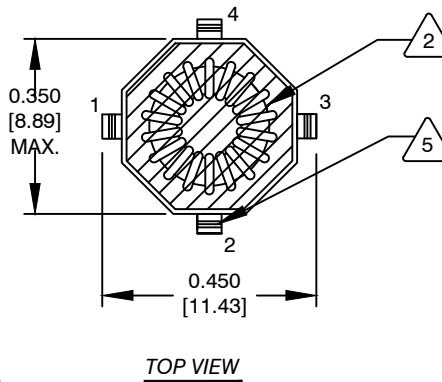
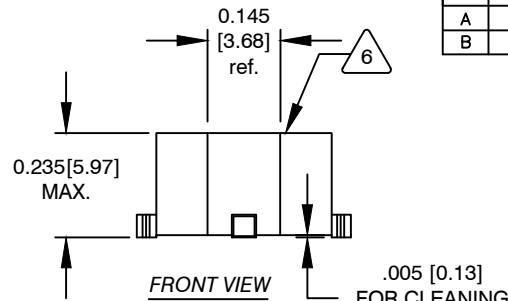
CWS BYTEMARK OR OTHER APPROVED PART

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.



.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. |
|-------------------|------------|----------|---------------------------------|--|
| PARTS LIST | | | | |
| AUTOCAD | | X | | |
| SOLIDWORKS | | | | |
| SIGN | | DATE | sales@coilws.com | Coil Winding Specialist, Inc. 353 W. Grove Avenue Orange, CA 92865 |
| DRAWN | RPR | 4/26/05 | www.coilws.com | |
| CHECKED | JLAU | 4/26/05 | Parallel Series Inductor | |
| ENGR. | KSUM | 4/26/05 | | |
| APPR. | JLAU | 04/28/11 | | |
| TITLE: | | | SIZE DWG. NO. | REV |
| | | | B | B |
| | | | CX15-2-HF | |
| SCALE | | | SHEET 1 OF 1 | |
| | | | NOT_TO_SCALE | |

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