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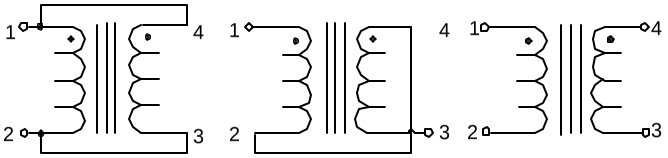


PARALLEL *SERIES* *TRANSFORMER*

6 AND REVISION WHERE SHOWN
IF APPLICABLE MARK PART NUMBER

5 REMOVE INSULATION AND TIN LEADS

4 WIND ON TO CORE AND EVENLY SPACED
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= 1.367 OHMS TYP @ 20 °C
SERIES RMS CURRENT = 0.54 AMPS.
PARALLEL: (1,4 - 3,2), SERIES: (1 - 3) TIE (2 - 4).
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,
SERIES OPEN CIRCUIT INDUCTANCE = 265.80 uH ± 25 %,

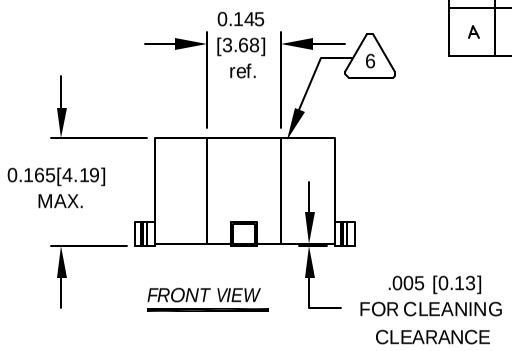
MAX DCR IS ± 15% OF TYPICAL VALUE
PARALLEL DCR= 0.342 OHMS TYP @ 20 °C,
DELTA TEMP 40 °C, AMBIENT TEMP 85 °C.
PARALLEL RMS CURRENT = 1.07 AMPS @
PARALLEL (1,4 - 3,2), SERIES (1 - 3) TIE (2 - 4).
@ 100 KHZ, 0.250 VRMS, 0.0 ADC,
PARALLEL OPEN CIRCUIT INDUCTANCE = 66.44 uH ± 25 %,
PARALLEL RATED INDUCTANCE = 68.0 uH

3 SPECIFICATIONS:

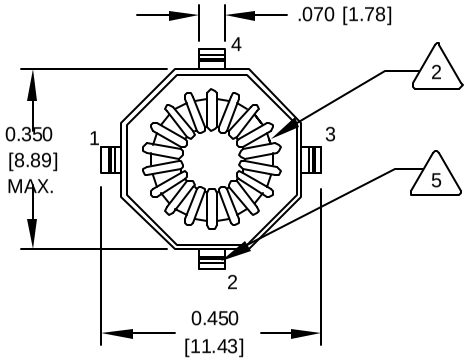
WIRE: UL RECOGNIZED 130°C RATING MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
2 CORE: TOROID

BOBBIN RATING CLASS B (130°C) REQUIRED
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

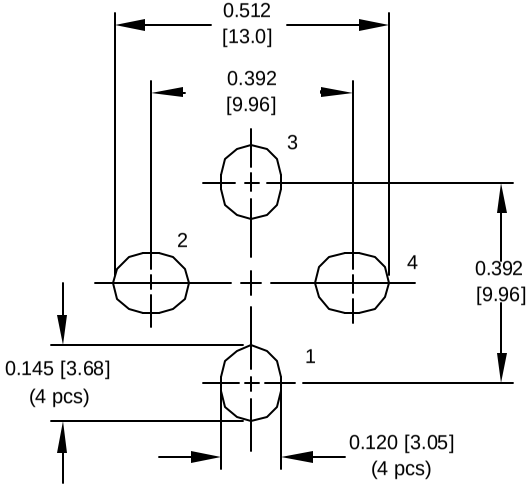
NOTES: UNLESS OTHERWISE SPECIFIED.



FRONT VIEW



BOTTOM VIEW



MOUTING HOLES PATTERN

REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTIDN RELEASE	RPR	7/06/04	JLAU	7/06/04

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

AUTOCAD	X	
SOLIDWORKS		
SIGN	DATE	
DRAWN RPR	7/06/04	
CHECKD JLAU	7/06/04	
ENGR. KSUM	7/06/04	
APPR. JLAU	7/06/04	

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

COILWS COM, INC
www.coilws.com
CWS Coil Winding Specialist.
1510 E. Edinger Ave.
Unit B. Santa Ana, CA. 92705

TITLE: Parallel Series Inductor

SIZE B | DWG. NO. CX68-2-HF | REV A

SCALE 4=1 | SHEET 1 OF 1

CAD-FILE: