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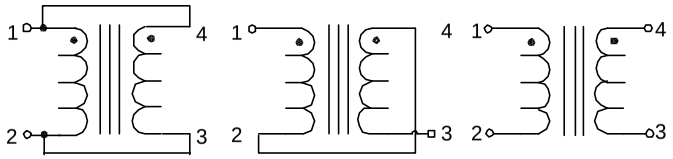
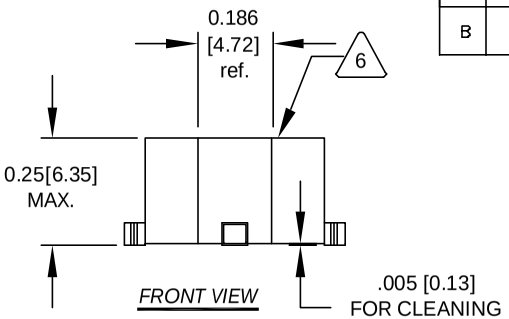
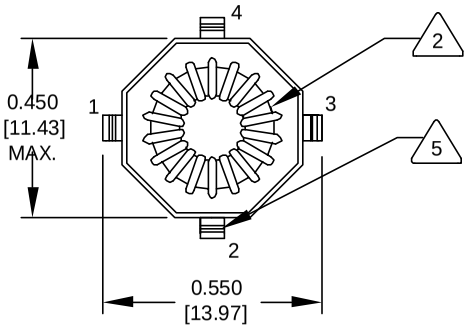
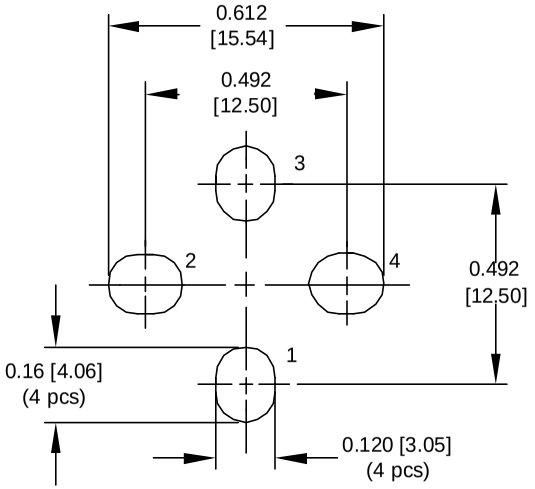
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
B		PRODUCTION RELEASE	RPR	5/02/07	JLAU	5/02/07







BOTTOM VIEW



MOUTING HOLES PATTERN

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 INTERGRITY OF WINDING SEPARATION
HI-POT TEST FOR WINDING TO WINDING = 300 VDC MIN.
MAX DCR IS ± 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 uH ± 25 %,

MAX DCR IS ± 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 uH ± 25 %,
PARALLEL RATED INDUCTANCE = 1.0 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.

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

PARTS LIST

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

	X
AUTOCAD	
SOLIDWORKS	

SIGN		DATE
DRAWN	RPR	5/02/07
CHECKED	JLAU	5/02/07
ENGR.	KSUM	5/02/07
APPR.	JLAU	5/02/07

COILWS COM, INC
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CWS Coil Winding Specialist.
353 W. GROVE AVENUE
ORANGE, CA. 92865

TITLE:
Parallel Series Inductor

SIZE B | DWG. NO. CX1-4-HF | REV B

SCALE 4=1 | SHEET 1 OF 1

CAD-FILE: