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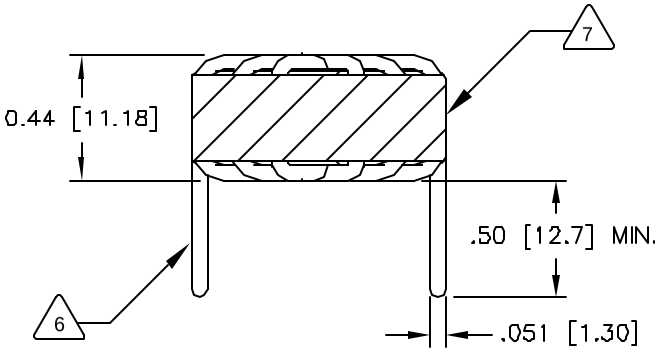
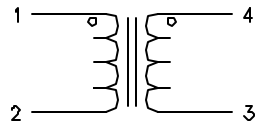
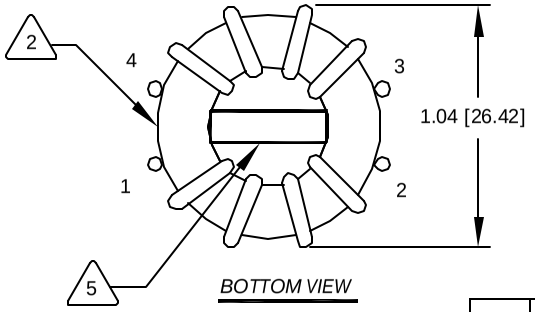
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	RPR	5/18/04	JLAU	5/16/04



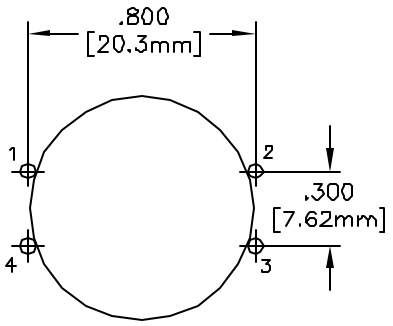
FRONT VIEW



SCHEMATIC



BOTTOM VIEW



MOUNTING HOLES PATTERN

WHERE SHOWN, USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION

7 WRAP INDUCTOR WITH GLASS TAPE

TO THE CORE
MUST REST FLAT ON PCB). LEADS MUST BE TANGENT

6 FLUSH WITH THE CORE EDGE, AS SHOWN (I.E. COIL
REMOVE INSULATION AND TIN LEADS APPROX. 0.5 INCH

5 SPACER : UL 94-V0, NYLON 6/6

WIND BOTH COILS EVENLY SPACED

4 CONSTRUCTION:

INTER-WINDING CAPACITANCE = 6.5 pF
LEAKAGE INDUCTANCE = 1.20 uH
CURRENT RATING = 15 AMPS
DCR ON EACH WINDING = 2.5 MILLI-OHMS MAX
L= 180 uH ± 30%, 10 KHz, 250 mV

3 SPECIFICATIONS:

WIRE: UL RECOGNIZED 155 °C OR 200 °C (PREFERED) RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART

2 CORE: COATED FERRITE TOROID, HIGH PERM MNZN

RATING CLASS B (130 °C MIN.) REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED, COMMON MODE CHOKE

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

AUTOCAD	X
SOLIDWORKS	

SIGN		DATE
DRAWN	RPR	5/17/04
CHECK	JLAU	5/16/04
ENGR.	KSUN	6/16/04
APPR.	JLAU	5/16/04

UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].
TOLERANCE INCHES:
.XXX=±.005 .XX=±.015 <±0°30'
TOLERANCE METRICS:
.XXX=±.127 .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: Common Mode Line Chokes

SIZE	DWG. NO.	REV
B	CM-181U-15A	A

SCALE 2=1 SHEET 1 OF 1

CAD-FILE: