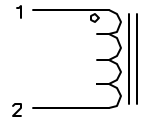
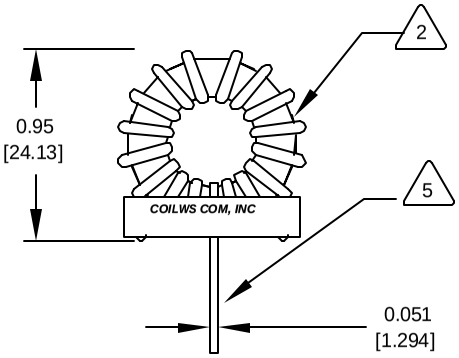
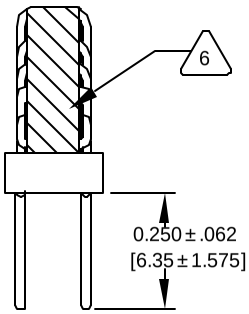
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRE-PRODUCTION RELEASE	RPR	7/13/04	JLAU	7/14/04

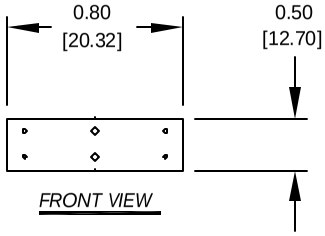




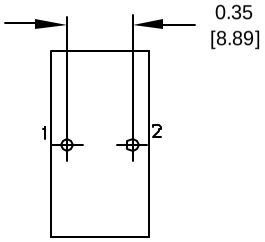
FRONT VIEW



SIDE VIEW



FRONT VIEW



MOUNTING HOLES PATTERN

6 USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION, IF APPLICABLE
IF NEEDED, WRAP INDUCTOR WITH GLASS TAPE

TO THE CORE
MUST REST FLAT ON PCB). LEADS MUST BE TANGENT
5 FLUSH WITH THE COIL EDGE, AS SHOWN (I.E. COIL
REMOVE INSULATION AND TIN LEADS 0.50 INCH

WIND COILS EVENLY SPACED AROUND THE CORE
4 CONSTRUCTION:

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN
CURRENT RATING : 8.8 AMPS, 40 °C TEMP. RISE, NO AIR FLOW
DCR 10 MILLI-OHMS MAX.
DC BIASED = 8.8 AMPS, INDUCTANCE = 9 UH
DC BIASED = 14 AMPS, INDUCTANCE = 8 UH
INDUCTANCE = 10 UH +-10% @ LOW DC BIAS, 1 KHz, 250mV
3 SPECIFICATIONS:

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
2 CORE: COATED HIGH FLUX TOROIDAL CORE

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

NOTES: TOROIDAL POWER CHOKE. ALL DIMENSIONS IN INCHES

UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 ∠=±0°30'
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 ∠=±0°30'
ANGLE PROJECTION
DO NOT SCALE DRAWING

AUTOCAD	X	
SOLIDWORKS		
SIGN		DATE
DRAWN	RPR	7/13/04
CHECKED	JLAU	7/13/04
ENGR.	KSUN	7/13/04
APPR.	JLAU	7/13/04

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

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

TITLE: Toroidal Power Chokes
Toroid Inductor

SIZE	DWG. NO.	REV
B	MHF166-100M-8.8A	A

SCALE 2=1 SHEET 1 OF 1

CAD-FILE: