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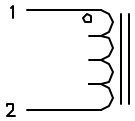
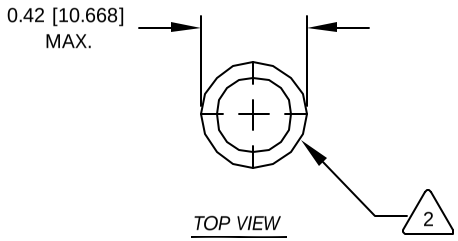
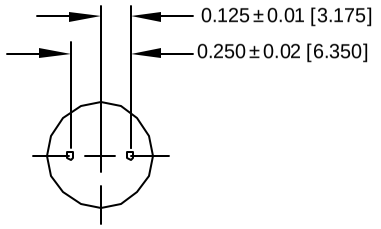
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	RPR	8/10/04	JLAU	8/10/04



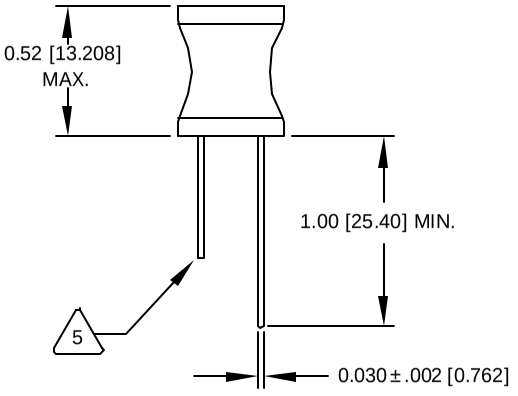
SCHEMATIC



TOP VIEW



MOUTING HOLES PATTERN



FRONT VIEW

6 IF APPLICABLE, LABEL PART NUMBER AND VALUE

5 SOLDER WINDING TO TINNED LEADS

COVER WINDINGS WITH UL APPROVED PVC TUBING
WIND WIRES TO ROD CORE, EVENLY SPACED.

4 CONSTRUCTION:

SELF RESONANCE FREQUENCY (SRF) = 20 MHz
MAX DC CURRENT = 350 MILLI- AMPS
DCR = 8.95 MILLI-OHMS MAX.
INDUCTANCE = 8.2 UH +-20% @ LOW DC BIAS, 1 KHz, 250mV

3 SPECIFICATIONS OF POWER INDUCTOR:

WIRE: UL RECOGNIZED 130°C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART

2 CORE: FERRITE ROD CORE, LOW LOSS MNZN

BOBBIN RATING CLASS B (130°C) REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED.

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

AUTOCAD	X
SOLIDWORKS	

SIGN		DATE
DRAWN	RPR	8/10/04
CHECK	JLAU	8/10/04
ENGR.	KSUN	8/10/04
APPR.	JLAU	8/10/04

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

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

TITLE: Power Inductor

SIZE	DWG. NO.	REV
B	R1016-8R2K	A

SCALE 2=1 SHEET 1 OF 1

CAD-FILE: