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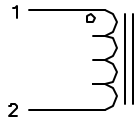
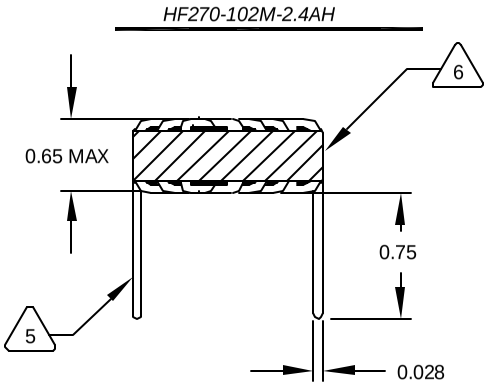
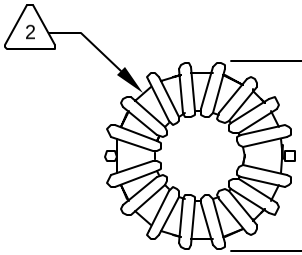
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	TDK	2/02/04	JLAU	2/9/04



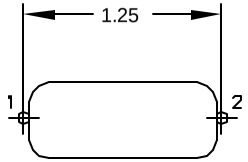
SCHEMATIC



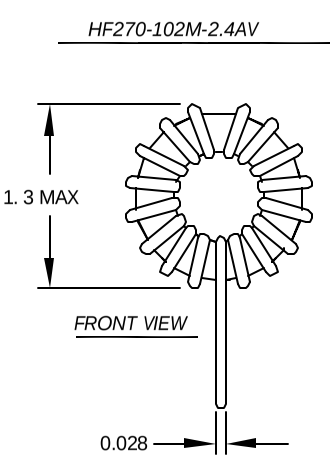
FRONT VIEW



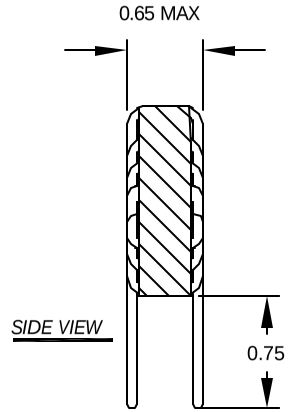
BOTTOM VIEW



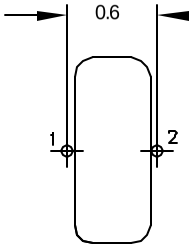
MOUNTING HOLES PATTERN



FRONT VIEW



SIDE 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 0.75 INCH

4 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN
CURRENT RATING : 2.4 AMPS, 40 °C TEMP. RISE, NO AIR FLOW
DCR = 235.0 MILLI-OHMS MAX.
DC BIASED = 2.4 AMPS, INDUCTANCE = 840 UH
DC BIASED = 3.5 AMPS, INDUCTANCE = 800 UH
INDUCTANCE = 1000 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

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

AUTOCAD	X
SOLIDWORKS	

SIGN	DATE
DRAWN TDK	2/8/04
CHECK JLAU	2/9/04
ENGR. KSUN	3/5/04
APPR. JLAU	3/8/04

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: Toroidal Power Chokes
Toroid Inductor

SIZE	DWG. NO.	REV
B	HF270-102M-2.4A	B

SCALE 2=1 SHEET 1 OF 1

CAD-FILE: