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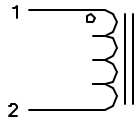
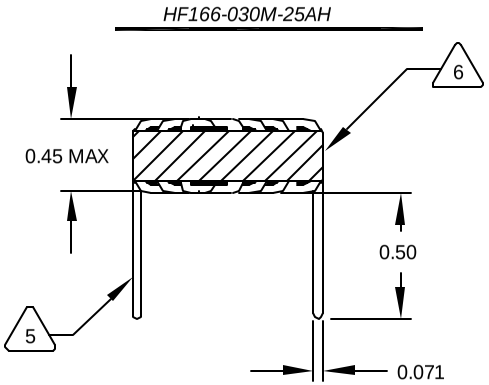
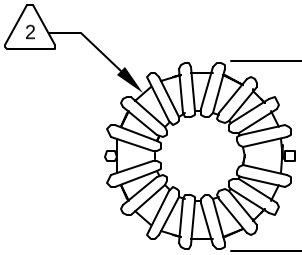
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	TDK	2/02/04	JLAU	2/9/04



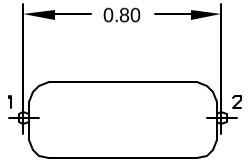
SCHEMATIC



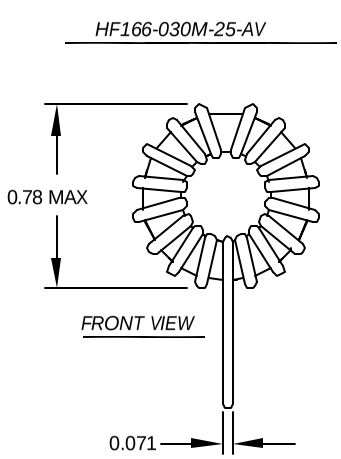
FRONT VIEW

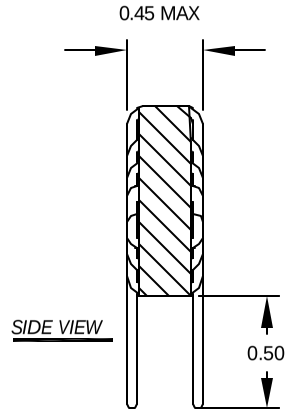


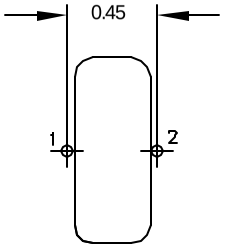
BOTTOM VIEW



MOUNTING HOLES PATTERN







MOUNTING HOLES PATTERN

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

TO THE CORE
MUST REST FLAT ON PCB). LEADS MUST BE TANGENT
FLUSH WITH THE COIL EDGE, AS SHOWN (I.E. COIL
5 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 : 25 AMPS, 40 °C TEMP. RISE, NO AIR FLOW
DCR = 2.0 MILLI-OHMS MAX.
DC BIASED = 25 AMPS, INDUCTANCE = 2.5 UH
DC BIASED = 26.15 AMPS, INDUCTANCE = 2.4 UH
INDUCTANCE = 3.0 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	HF166-030M-25A	B

SCALE 2=1 SHEET 1 OF 1

CAD-FILE: