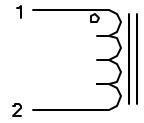
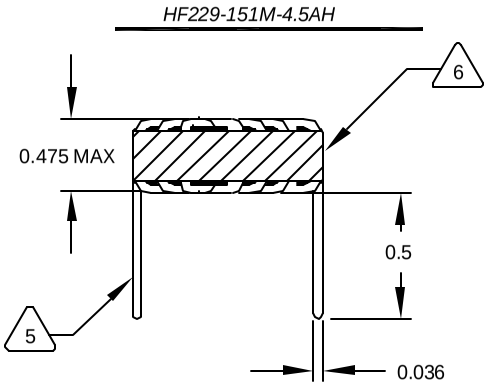
The information contained in this drawing is the sole property of CWS Coil Winding Specialist.
Any reproduction in part or whole without written permission of CWS Coil Winding Specialist is prohibited.

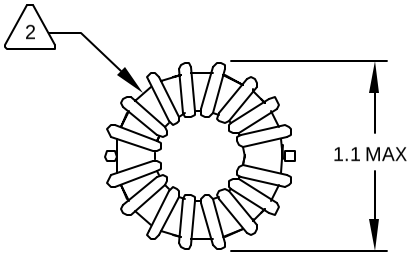
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	TDK	2/02/04	JLAU	2/9/04



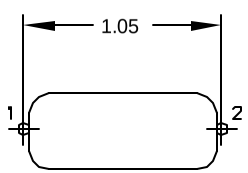
SCHEMATIC



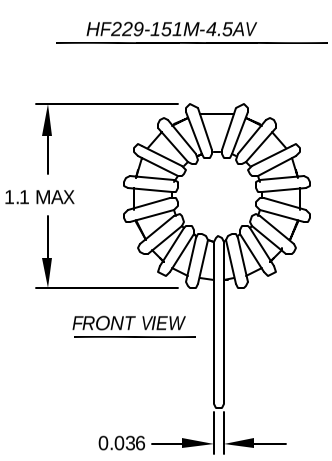
FRONT VIEW



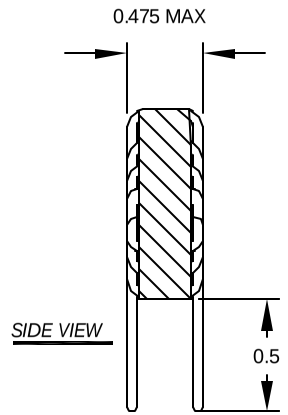
BOTTOM VIEW

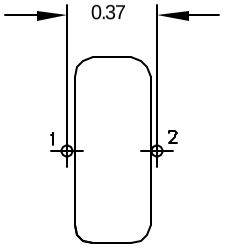


MOUNTING HOLES PATTERN



FRONT VIEW





MOUNTING HOLES PATTERN

6 USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION, IF APPLICABLE

5 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
REMOVE INSULATION AND TIN LEADS 0.5 NCH

4 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN
CURRENT RATING : 4.5 AMPS, 40 °C TEMP. RISE, NO AIR FLOW
DCR = 52.0 MILLI-OHMS MAX.
DC BIASED = 4.5 AMPS, INDUCTANCE = 123 UH
DC BIASED = 6.0 AMPS, INDUCTANCE = 120 UH
INDUCTANCE = 150 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	

	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				

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

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	HF229-151M-4.5A	B

SCALE 2=1 SHEET 1 OF 1

CAD-FILE: