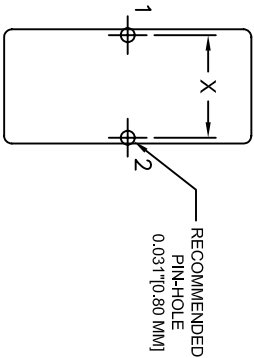
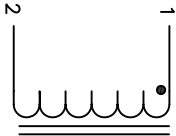
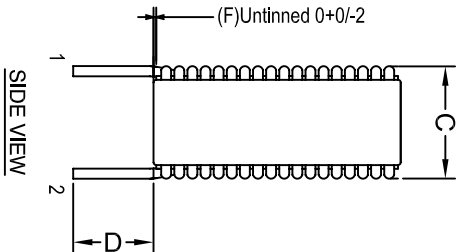
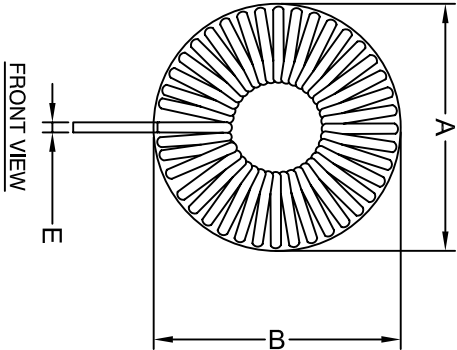


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DIMENSIONAL TOLERANCE						
A	B (HGT)	C	D (LEAD)	E (LEAD OD)	X	Y
MAX 0.71" [18.0]	MAX 0.71" [18.0]	MAX 0.34" [8.7]	TYP 0.50" [12.7]	TYP 0.16" [4.0]	REF 0.290" [7.37]	REF NA

REVISION HISTORY		SIGN & DATE	
REV	ECN	DESCRIPTION	DATE
C		INITIAL RELEASE	RPR 6/20/06 JLU 6/20/06
D		UPDATED DIMENSIONS	KLC 6/17/06 AK 6/17/06
E		LEADS TRIMMED TO 12.7 MM AND WIRE CHANGED TO CLASS 155°C	KLC 1/28/12 AK 1/28/12



SCHEMATIC

MOUNTING HOLE PATTERN  
(TOP VIEW)

- 7 BUILT TO ROHS COMPLIANCE AND LEAD FREE.
- 6 IF APPLICABLE, MARK PART NUMBER AND REVISION
- 5 POSITION LEADS AS REQUIRED  
REMOVE WIRE INSULATION AND TIN
- 4 WIND COILS EVENLY SPACED  
CONSTRUCTION:  
WEIGHT: ~ 7 GRAMS  
HI-POT WINDING-TO-CORE 500 V AC, 10 SEC  
INTERWINDING CAPACITANCE 33.24 pF TYPICAL @ 1 kHz  
DCR= 350 mΩ MAX  
SRF ~ 1.4 MHz TYPICAL  
MAX TEMP. RISE @ IDC 1 AMP, LESS THAN 40°C WITH NO AIRFLOW  
INDUCTANCE @ IDC OF 1 AMP = 310 uH MINIMUM (WITH < 10% RIPPLE)  
INDUCTANCE @ 0 AMP = 470 uH±20% (LESS THAN 10% RIPPLE)  
TEST FREQUENCY: 1 kHz ; TEST VOLTAGE: 250 mV  
RATED MAX. CURRENT= 1 AMPS RMS ; FREQUENCY: 1 kHz  
OPERATING TEMPERATURE RANGE : -40° TO 85°C  
SPECIFICATIONS @ 25°C
- 3 WIRE: UL RATED CLASS 155°C  
CORE: HIGH TEMP POWDERED CORE
- 2 RATING UL-CLASS B (130°) REQUIRED  
MATERIAL: UL RECOGNIZED 94V-0 FLAMMABILITY FOR BOBBIN
- 1

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

CODE		MFG. P/N		DESCRIPTION		ITEM NO.
IDENT				PARTS LIST		
AUTOCAD		X		<div>WWW.COILS.COM, INC</div> <div>353 W Grove Ave</div> <div>Orange, CA 92685 (CAGE 50ME2)</div> <div>CWS Coil Winding Specialists.</div>		
SOLIDWORKS						
SIGN		DATE				
DRAWN		6/20/06				
RJR		6/20/06				
CHECKED		6/20/06		<div>POWER INDUCTOR</div> <div>470 uH, 1 Amp, Vertical</div>		
ENGR.		6/20/06				
KSJLM		6/20/06				
APPR.		6/20/06				
JLJLJ						
DO NOT SCALE DRAWING				SIZE (INCH. NO.)		
		B		TC-471M-1A-60V		
		SCALE		REV		
		2=1		E		
		SHEET 1 OF 1				