

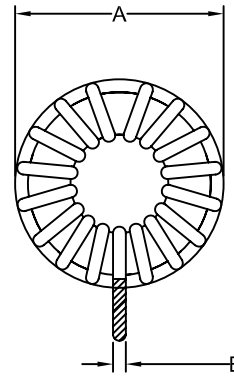
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DIMENSIONAL TOLERANCE						
A	B	C	D (LEAD)	E (LEAD DIM)		X
MAX	MAX	MAX	TYP	TYP		REF
1.50*	1.50*	.72*	.50*	0.047*		1.10*
[38.0]	[38.1]	[18.3]	[12.7]	[1.20]		[28.0]

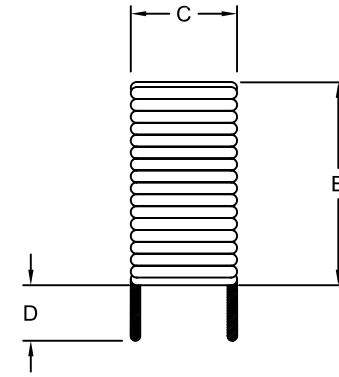
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		INITIAL RELEASE	RPR	01/25/05	JLAU	01/25/05
B		UPDATE TO ROHS COMPLIANCE	RPR	06/20/06	JLAU	06/20/06
C		UPDATE DIMENSIONS & ADD ADDITIONAL DATA	KLC	04/13/11	AK	04/13/11

DC Bias Data (TYP)

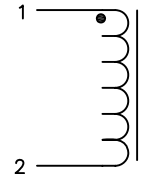
Current	Inductance
0 Amp	480 uH
2 Amp	351 uH
4 Amp	277 uH
6 Amp	206 uH
7 Amp	175 uH
8 Amp	163 uH
9 Amp	153 uH
10 Amp	137 uH



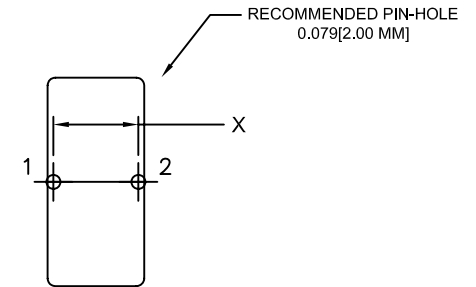
FRONT VIEW



SIDE VIEW



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: ~ 68 GRAMS
 HI-POT WINDING-TO-CORE 1500 V AC, 10 SEC
 INTERWINDING CAPACITANCE 65 pF TYPICAL @ 1 kHz
 DCR = 65 mΩ MAX
 SRF ~ 910 kHz TYPICAL
 MAX TEMP. RISE @ IDC 7 AMP, LESS THAN 40°C WITH NO AIRFLOW
 INDUCTANCE @ 0 AMP = 470 uH ± 15% (LESS THAN 10% RIPPLE)
 TEST FREQUENCY: 1 kHz ; TEST VOLTAGE: 250 mV
 RATED MAX. CURRENT = 7 AMPS RMS ; FREQUENCY: 1 kHz
 OPERATING TEMPERATURE RANGE : -40° TO 85°C
 SPECIFICATIONS @ 25°C
- 3 WIRE: UL RATED CLASS 155°C
 CORE: POWDERED CORE
- 2 RATING UL-CLASS B (130°) REQUIRED
 MATERIAL: UL RECOGNIZED 94V-0 FLAMMABILITY
- 1

NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X	WWW.COILWS.COM, INC sales@coilws.com	CWS Coil Winding Specialist. 353 W Grove Ave Orange, CA 92865 (CAGE 3C994)
SOLIDWORKS			
SIGN	DATE	TITLE: POWER INDUCTOR, VERTICAL 470 uH, 7 Amp	
DRAWN	RPR 01/25/05		
CHECKED	JLAU 01/25/05		
ENGR.	KSUM 01/25/05		
APPR.	JLAU 01/25/05	SIZE B DWG. NO. TC-471M-7A-130V	REV C
DO NOT SCALE DRAWING		SCALE 2=1	SHEET 1 OF 1

DC Bias Comparison (1 kHz)

