



E F Typ Typ 3.47 0.09			DIMENSIO	DIMENSIONAL TOLERANCE INCHES [MM]	ANCE INCH	ES [MM]	
Max Min Typ Typ 1.95 0.50 3.47 0.09	A	₩	С	ш	FI	Э	
1.95 0.50 3.47 0.09	Max	Max	Min	Тур	Тур	Тур	
100 001	3.94	1.95	0.50	3.47	0.09	18.8	

REV ⊳

ECN N/A

REVISION HISTORY

PRODUCTION RELEASE

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5/24/16 SIGN & DATE
DATE CHK

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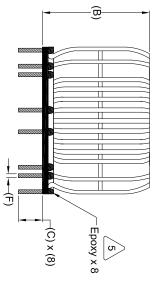
5/24/16 DATE

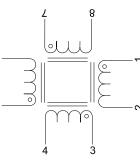
FREQ (KHz)

0.5

ВΥ







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SCHEMATIC	6	
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100 75 50 20 5

6.79 5.90 4.74 2.47 1.32 0.14 0.07 (<u>k</u>)

11.60

10.50

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Recommended Pin Holes Ø0 13 [3 30] (x 8)

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10000

0.35 0.26 0.66 1.41 5.12

7000 5000 3000 1000 500 300

SIDE VIEW

- **BUILT TO RoHS COMPLIANCE**
- 6 LABEL PART NUMBER AT THE BOTTOM OF THE BASE
- 5 APPLY ADHESIVE BETWEEN COIL AND BASE.
- 4 STRIP AND TIN LEADS (NO INSULATION IS ALLOWED BELOW THE BASE LEVEL.)

MAX TEMP RISE = 40°C WITH FORCED AIRFLOW INTERWINDING ISOLATION = 2000 VOLTS RMS. RATED CURRENT = 30 AMPS SRF ~ 286 KHz TYP DCR ON EACH WINDING = 6.5 mΩ MAX OPERATING TEMP RANGE = -40°C TO 125°C RATED VOLTAGE = 1000 VAC OR VDC WEIGHT = \sim 796 GRAMS

IMPEDANCE = 11 kΩ NOM @ SRF INTERWINDING CAPACITANCE = 27 pF TYP @ SRF LEAKAGE INDUCTANCE = 14 uH TYP @ 10 KHz, 0.25 Vrms.

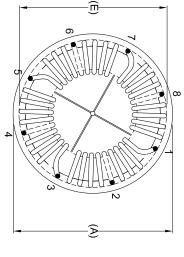
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SPECIFICATIONS AT 25°C:

L = 17 mH MIN @ 10KHz, 0.25 Vrms, 0 ADC

- N CWS BYTEMARK OR OTHER APPROVED PART WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE CORE: NANOCRYSTALLINE OR AMORPHOUS CORE
- CASE RATING CLASS B (130°C) REQUIRED MATERIAL: UL RECOGNIZED FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED. READ NOTES FROM BOTTOM TO TOP CAGE CODE: 5DME2



(G) Ø84mm		0	(A) Ø100mm
5 45°	45°	45°	45
45.	45°	45°	45°
		0	_

70P
VEW

FOOT PRINT FOR PCB LAYOUT

						l	
)			0,0,10	5	ANGLE PROJECTION T-1	ANGLE PE
	>	EBC_17311_B30A			APPR.	XX=±.38	.XXX=±.127 .XX=±.38
_	REV		SIZE DWG NO.				TOLERAN
		MOUNT	Horizontal Mount	5/9/16	ENGR. JLAU	∆ =±0°30'	XXX=±.005 XX=±.015
		Phase Common Mode Choke	Phase Com	5/9/16	CHECKED	RE N INCHES	ALL DIMENSIONS A AND [MILIMETERS].
		Nanocrystalline Inductor Four-	TITLE: Nanocrysta	5/9/16	DRAWN AK	TOLERANCE PER ANSI Y14.5M	TOLERANCE PER AN
_		Orange, Camornia. 02000					
		Orange California 92865	sales@coilws.com	DATE	SIGN	UNLESS OTHERWISE SPECIFIED	UNLESS C
	<u></u>	www.collws.com coll willding specialist line.	www.collws.com		SOLIDWORKS		
	5				AUTOCAD		

SCALE

N A

SHEET 1

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CAD-FILE:

EP FORM0005 REV 4 2011 DO NOT SCALE DRAWING