



	3.31 [84.00]	0.11 [2.79]	3.50 [88.90]	0.50 [12.70]	2.17 [55.00]	3.94 [100.00]
Α	Тур	Тур	Тур	M n	Max	Max
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	HES [MM]	ANCE INCH	DIMENSIONAL TOLERANCE INCHES [MM]	DIMENSIO		

ECN N/A

REVISION HISTORY

PRODUCTION RELEASE

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5/24/16 SIGN & DATE
DATE CHK

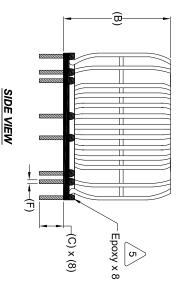
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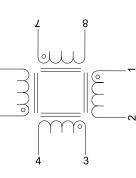
5/24/16 DATE

FREQ (KHz)

0.5

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Recommended Pin Holes

10000 7000 5000 3000 1000 500 300

0.31 0.68 1.09 2.03 6.33 6.34 5.01 3.11 2.73 2.20 1.13 0.60 0.07 0.03 (<u>k</u>)

## **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.)

RATED CURRENT = 40 AMPS MAX TEMP RISE = 40°C WITH FORCED AIRFLOW INTERWINDING ISOLATION = 2000 VOLTS RMS. RATED VOLTAGE = 1000 VAC OR VDC SRF ~ 564 KHz TYP DCR ON EACH WINDING = 3.5 mΩ MAX OPERATING TEMP RANGE = -40°C TO 125°C WEIGHT =  $\sim$ 695 GRAMS

LEAKAGE INDUCTANCE = 8 uH TYP @ 10KHz, 0.25 Vrms.

IMPEDANCE =  $7 \text{ k}\Omega \text{ NOM } @ \text{ SRF}$ INTERWINDING CAPACITANCE = 18 pF TYP @ SRF

L = 9.5 mH MIN @ 10KHz, 0.25 Vrms, 0 ADC

ω SPECIFICATIONS AT 25°C:

- 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

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(G) Ø84mm—		Ø0.15 [3.79] (x 8) (A) 7 Ø100mm 7
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	REV		SIZE DWG NO			TOLERANCE METRICS:
		MOUNT	Horizontal Mount	5/9/16	ENGR. JLAU	TOLERANCE INCHES: (2=±0°30′
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		Phase Common Mode Choke	Phase Com	5/9/16	CHECKED	ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].
_						
		Nanocrystalline Inductor Four-	πιτιε: Nanocrysta	5/9/16	DRAWN AK	TOLERANCE PER ANSI Y14.5M
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		353 West Grove Ave	sales@coilws.com	DATE	SIGN	UNLESS OTHERWISE SPECIFIED
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**EP FORM0005 REV 4 2011** DO NOT SCALE DRAWING

CAD-FILE: