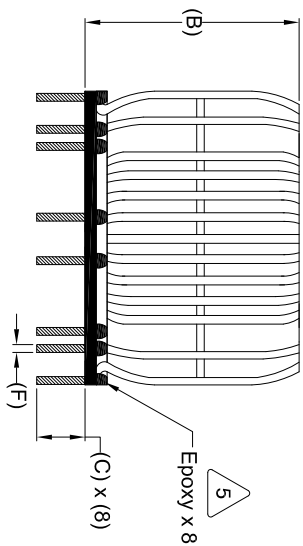
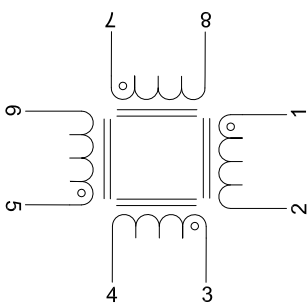




DIMENSIONAL TOLERANCE INCHES [MM]						
A	B	C	E	F	G	
Max	Max	Min	Typ	Typ	Typ	
2.68 [68.00]	1.46 [37.00]	0.50 [12.70]	2.47 [62.73]	0.09 [2.28]	2.20 [56.00]	



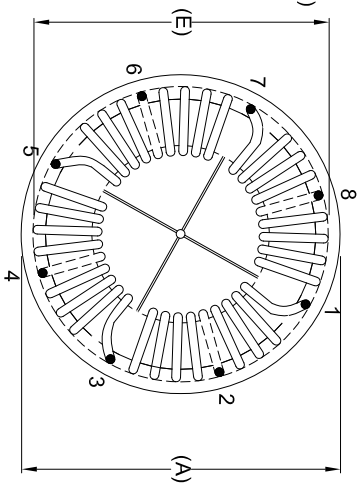
**SIDE VIEW**



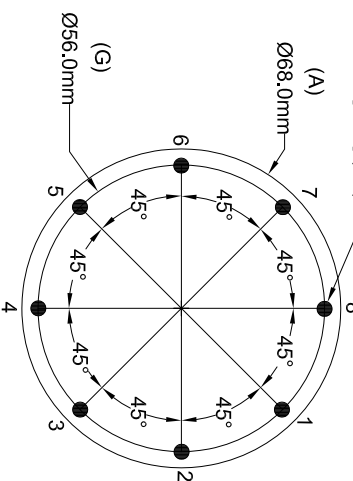
**SCHEMATIC**

FREQ (KHz)	Z  (kΩ)
0.5	0.02
1	0.71
10	0.28
20	0.47
50	0.75
75	0.87
100	0.97
300	1.45
500	1.78
1000	2.35
3000	3.61
5000	3.61
7000	2.98
10000	2.25

Recommended Pin Holes  
 $\varnothing 0.129 [3.28] (x 8)$



**TOP VIEW**



**FOOT PRINT FOR PCB LAYOUT**

- 1 CASE RATING CLASS B (130°C) REQUIRED MATERIAL: UL RECOGNIZED FOR FLAMMABILITY
- 2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE CWS BYTEMARK OR OTHER APPROVED PART CORE: NANOCRYSTALLINE OR AMORPHOUS CORE
- 3 SPECIFICATIONS AT 25°C:  
 WEIGHT = ~263 GRAMS  
 OPERATING TEMP RANGE = -40°C TO 125°C  
 MAX TEMP RISE = 40°C WITH FORCED AIRFLOW.  
 INTERWINDING ISOLATION = 2000 VOLTS RMS.  
 DCR ON EACH WINDING = 2.5 mΩ MAX  
 SRF ~ 2.6 MHZ TYP  
 RATED VOLTAGE = 1000 VAC OR VDC  
 RATED CURRENT = 100 AMPS  
 LEAKAGE INDUCTANCE = 1.8 uH TYP @ 10KHz, 0.25 Vrms.  
 INTERWINDING CAPACITANCE = 6.5 pF TYP @ SRF  
 IMPEDANCE = 3.5 kΩ NOM @ SRF  
 L = 2.8 mH MIN @ 10KHz, 0.25 Vrms, 0 ADC

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

REVISION HISTORY			
REV	ECN	DESCRIPTION	SIGN & DATE
A	N/A	PRODUCTION RELEASE	AK 5/24/16 JL 5/24/16

AUTOCAD SOLIDWORKS		www.coilw.com		Coil Winding Specialist Inc.	
SIGN	DATE	353 West Grove Ave	Orange, California, 92685	SALES@COILWS.COM	92855
DRAWN AK	5/19/16	TITLE: Nanocrystalline Inductor Four-Phase Common Mode Choke Horizontal Mount			
CHECKED BO	5/19/16	SIZE DWG. NO. <b>FPA-282U-B100A</b>			
ENGR. JLAU	5/19/16	SCALE N/A			
APPR. JLAU	5/19/16	SHEET 1 OF 1			