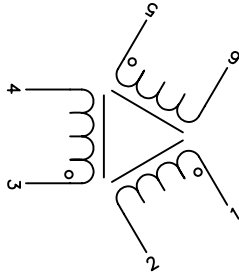
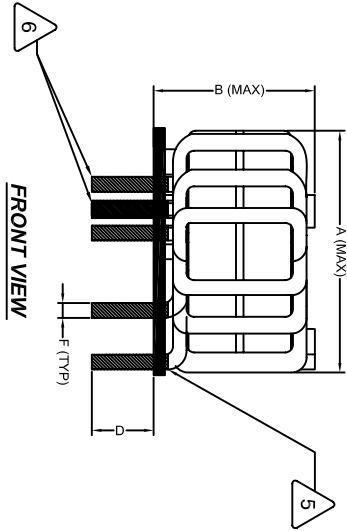
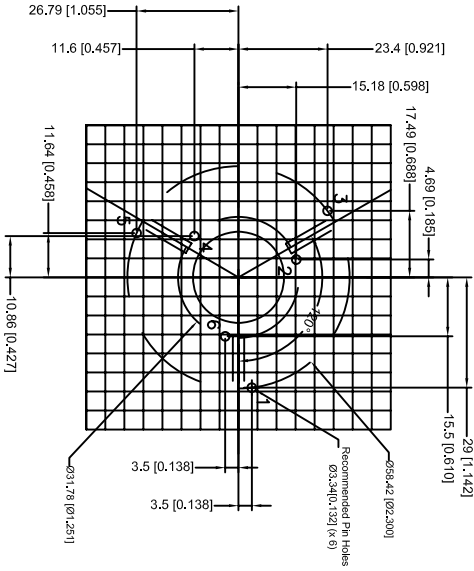
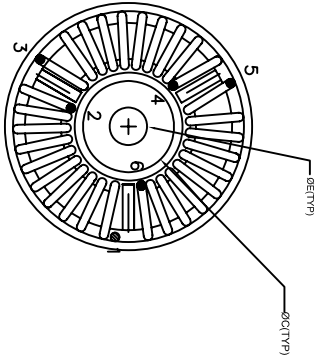


DIMENSIONAL TOLERANCE INCHES [MM]				REVISION HISTORY			
A(OD) Max	B(HGT) Max	C(D) TYP	D(LEAD) Min	E(D) TYP	F (Lead Dia) TYP	REV	ECN
2.600 [66.04]	1.654 [42.01]	0.757 [19.23]	0.500 [12.70]	0.310 [7.87]	0.114 [2.90]	A	
				DESCRIPTION			
				BR	DATE	CHK	DATE
				AK	03/23/12	JLU	03/23/12
				PRODUCTION RELEASE			



SCHEMATIC



MOUNTING HOLES PATTERN

- 1 CASE RATING CLASS B (130°C) REQUIRED
- 2 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY
- 3 NOTES: UNLESS OTHERWISE SPECIFIED, READ NOTES FROM BOTTOM TO TOP.
CAGE CODE: 5DME2
- 4 STRIP AND TIN LEAD TO ~ 0.75 INCH
- 5 WEIGHT = ~300 GRAMS
OPERATING TEMP RANGE = -40 °C TO 130°C
MAX TEMP RISE = 40 °C
INTERWINDING ISOLATION = 2000 VOLTS RMS,
DCR ON EACH WINDING = 2.3 mΩ MAX.
RATED VOLTAGE = 1000 VAC OR VDC
RATED CURRENT = 45 AMPS
LEAKAGE INDUCTANCE = 7.80 uH TYP @ 10 KHz, 0.25 Vrms,
IMPEDANCE = 0.240 kΩ NOM @ 10 KHz
L = 3.5 mH MIN @ 10 KHz, 0.25 Vrms, 0 ADC
INSULATION RESISTANCE = 100 MEGA-OHMS MIN. @ 500 VDC
SPECIFICATIONS AT 25°C:
- 6 TRIM LEAD TO 0.50 INCH FROM BOTTOM OF BASE
- 7 ATTACHED PART TO CUSTOM BASE AND APPLY SILICONE ADHESIVE
- 8 BUILT TO ROHS COMPLIANCE AND LEAD FREE.
- 9 APPLY SILICONE ADHESIVE ON INNER WINDING TO PROVING ISOLATION.

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
CORE: NANOCRYSTALLINE OR AMORPHOUS CORE

1 CASE RATING CLASS B (130°C) REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

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

QTY		CODE	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST					
AUTOCAD		X			
SOLIDWORKS					
SIGN		DATE			
DRAWN		AK	03/23/12		
CHECKED		AK	03/23/12		
ENGR.		JLU	03/23/12		
APPR.		JLU	03/23/12		
DO NOT SCALE DRAWING			SCALE	SHEET 10F	1

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
ALL DIMENSIONS ARE IN INCHES AND (PARENTHESIS).	
TOLERANCE INCHES: XX+/-0.005 XX+/-0.015 TOLERANCE MILLIMETERS: XX+/-0.12 XX+/-0.25	
ANGLE PROJECTION 	

TITLE:		Coil Winding Specialist Inc.	
Nanocrystalline Inductor		353 West Grove Ave	
Three-Phase Common Mode Choke		Orange, California, 92865	
Horizontal Mount			
SIZE	DWG. NO.	REV	
B	TPC-352U-B45A	A	