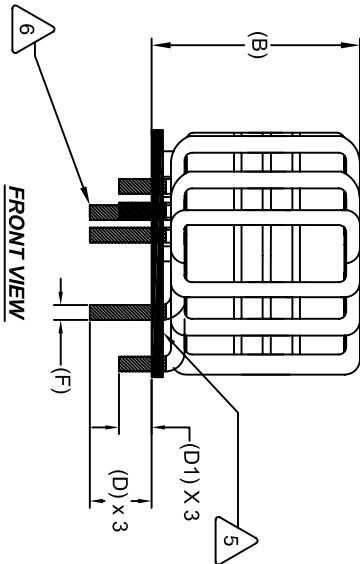
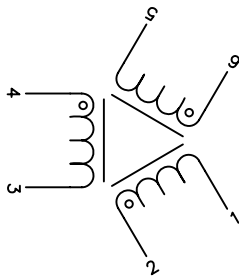


DIMENSIONAL TOLERANCE INCHES [MM]					REVISION HISTORY				
A(OD) Max	B(HGT) Max	D1(LEAD) Min	D(LEAD) Min	E TYP	F (Lead Dia) TYP	REV	ECN	DESCRIPTION	SIGN & DATE
1.929 [49.00]	1.800 [45.72]	0.350 [8.89]	0.500 [12.70]	1.85 [46.99]	0.064 [1.63]	A	140922	RELEASE	BY AK DATE 09/25/14 CHK BO DATE 09/25/14



FRONT VIEW



SCHEMATIC

6 TRIM INNER LEADS TO 0.50 AND OUTER LEADS TO 0.35 INCH FROM BOTTOM OF BASE

5 APPLY EPOXY

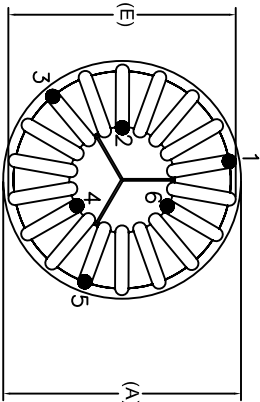
4 STRIP AND TIN LEADS (NO INSULATION IS ALLOWED BELOW THE BASE LEVEL.)

WEIGHT = ~200 GRAMS
OPERATING TEMP RANGE = -40 °C TO 125°C
MAX TEMP RISE = 30 °C
INTERWINDING ISOLATION = 2000 VOLTS RMS.
DCR ON EACH WINDING = 16.5 mΩ MAX.
SRF ~140 KHz TYP
RATED VOLTAGE = 1000 VAC OR VDC
RATED CURRENT = 20 AMPS
LEAKAGE INDUCTANCE = 28 uH TYP @ 10 KHz, 0.25 Vrms.
INTERWINDING CAPACITANCE = 40 pF TYP @ SRF
IMPEDANCE = 11 kΩ NOM @ SRF
L = 35 mH MIN @ 10 KHz, 0.25 Vrms, 0 ADC

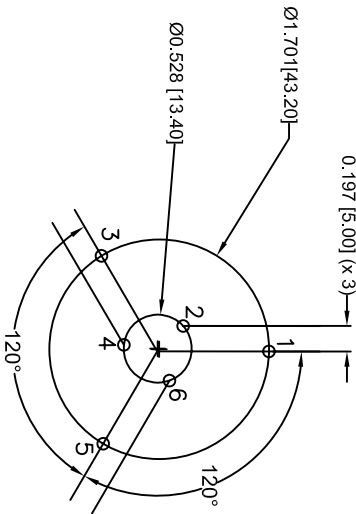
3 SPECIFICATIONS AT 25°C:

- 1 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
- 2 CORE: NANOCRYSTALLINE OR AMORPHOUS CORE
- 1 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



TOP VIEW



MOUNTING HOLES PATTERN

UNLESS OTHERWISE SPECIFIED		AUTOCAD		X	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		SOLIDWORKS		SIGN	
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS]		DRAWN AK		DATE 9/23/14	
TOLERANCE INCHES: ±0.005		CHECKED BO		DATE 9/23/14	
TOLERANCE METRICS: ±0.127		ENGR. JLAU		DATE 9/23/14	
ANGLE PROJECTION 1ST ANGLE		APPR. BO		DATE 9/23/14	
DO NOT SCALE DRAWING					

www.coilw.com
353 West Grove Ave
Orange, California. 92665

TITLE: Nanocrystalline Inductor
Three-Phase Common Mode Choke
Horizontal Mount

SIZE: B
TPB-353U-B20A

SCALE: N/A
SHEET 1 OF 1