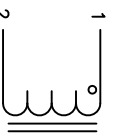
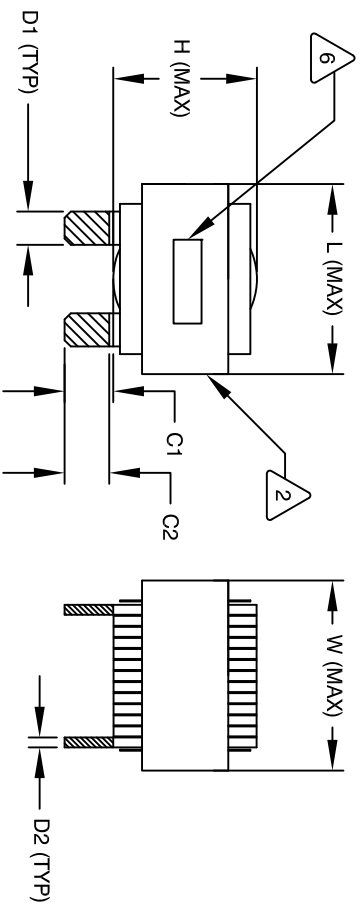


REVISION HISTORY

REV	ECN	DESCRIPTION	DATE	CHK	DATE
A		PRODUCTION RELEASE	2/13/11	JCL	2/13/11



SCHEMATIC

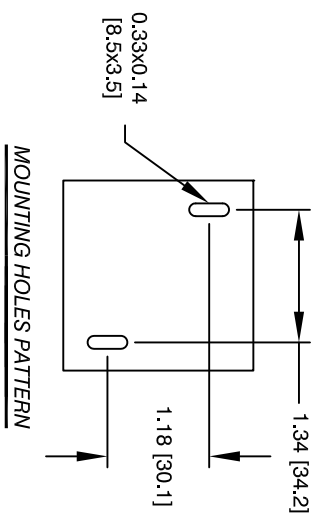
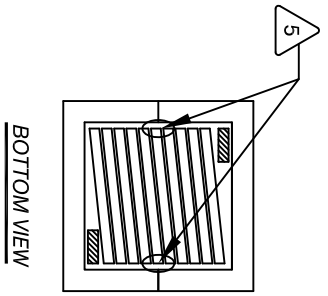


**DIMENSIONAL TOLERANCE**

	mm	inch
C1	15.25±1.50	0.60± 0.06
C2	12.25±1.00	0.48± 0.04
D1	7.43 (TYP)	0.29 (TYP)
D2	2.50 (TYP)	0.10 (TYP)
L	57.0 MAX	2.25 MAX
W	57.0 MAX	2.25 MAX
H	35.0 MAX	1.40 MAX

- BUILT TO ROHS COMPLIANCE AND LEAD FREE.
- MARK PART NUMBER AND REVISION WHERE SHOWN
- VANISH PART AND CURE
- APPLY SILICON WHERE SHOWN

- WRAP TAPE AROUND CORES WITH CORES AND NOMEX SPACERS ASSEMBLE PRE FORMED FLAT HELICAL COIL CONSTRUCTION  
WEIGHT: 432 GRAM (TYP)  
MAX INDUCTOR TEMP RATING: 200°C  
RECOMMENDED OPERATING TEMP: -40°C TO 85°C  
HI-POT TEST FOR WINDING TO CORE ISOLATION, 1000VDC @ 2mA, 1 MIN  
INTERWINDING CAPACITANCE @ 10KHZ = 22PF (TYP)  
|Z|@SFR=3.5 KILO-OHM (TYP)  
SFR=6.9 MHZ (TYP)  
RATED CURRENT: 160 AMPS  
DCR = 0.98 MILLIOHM MAX.  
L@DC BIAS: SEE TABLE ON RIGHT.  
L = 28H ± 15%, MEASURED AT 10 KHZ, 0.25V, ZERO DC BIAS SPECIFICATIONS:
- VANISH DOLPH OR EQUAL SILICON DOW CORNING OR EQUAL NOMEX SPACERS FOR SIDE AND CENTER LEG OF CORES  
OUTER WRAP: 3M GLASS OR EQUAL  
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE  
CORE: COMPACTED POWDERED CORE



**DC-BIAS**

	L
0A	24.6 uH
5A	24.0 uH
10A	23.6 uH
15A	23.1 uH
20A	22.6 uH
25A	21.1 uH
30A	21.2 uH
40A	19.7 uH
50A	18.4 uH
60A	16.9 uH
70A	15.6 uH
80A	14.5 uH
90A	13.3 uH
100A	12.2 uH

- INSULATION CLASS 200°C REQUIRED MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY
- UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCE PER ANSI Y14.5M ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].  
TOLERANCE INCHES:  $\pm$  = ±0.30'  
XXX=±0.10 XX=±0.020 TOLERANCE METRICS:  $\pm$  = ±0.30'  
XXX=±.254 XX=±.51  
ANGLE PROJECTION DO NOT SCALE DRAWING

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
			High Current Helical Inductor	
			28 uH, 160 Amps, Horizontal	

AUTOCAD SOLIDWORKS	DATE	APPR.	SCALE	SHEET	OF
RL	2/11/11	JLU	B	1	1