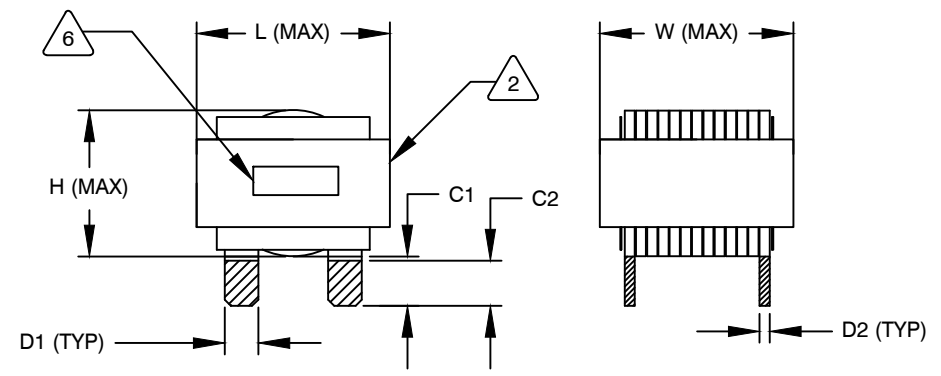
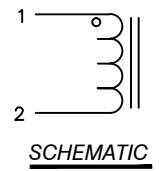


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REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	R/L	2/13/11	JCL	2/13/11



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

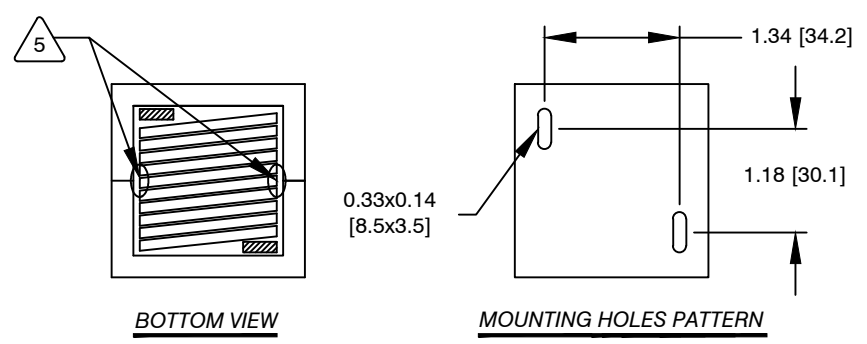
7 BUILT TO RoHS COMPLIANCE AND LEAD FREE.

6 MARK PART NUMBER AND REVISION WHERE SHOWN

5 VANISH PART AND CURE
 APPLY SILICON WHERE SHOWN

4 WRAP TAPE AROUND CORES
 WITH CORES AND NOMEX SPACERS
 ASSEMBLE PRE FORMED FLAT HELICAL COIL
 CONSTRUCTION
 WEIGHT: 432 GRAM (Typ)
 RECOMMENDED OPERATING TEMP: -40°C TO 85°C AT 55 °C AMBIENT
 HI-POT TEST FOR WINDING TO CORE ISOLATION. 1000VDC @ 2mA, 1 MIN
 INTERWINDING CAPACITANCE @ 10KHZ = 22pF (TYP)
 |z|@SRF=3.5 KILO-OHM
 SRF=6.9 MHz
 RATED CURRENT: 160 AMPS
 DCR= 0.98 MILLI-OHM MAX., USING GW INSTEK GOM-801H OR EQUAL
 L@DC BIAS: SEE TABLE ON RIGHT.
 L= 28H ± 15%., MEASURED AT 10 KHZ, 0.25V, ZERO DC BIAS

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



3 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

2 INSULATION CLASS 200°C REQUIRED
 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

1 NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				
AUTOCAD		X		
SOLIDWORKS				
SIGN		DATE	www.coilws.com	Coil Winding Specialist, Inc.
DRAWN	RL	2/11/11	sales@coilws.com	353 W GROVE AVE
CHECKED	JLAU	2/11/11		ORANGE, CA 92865
ENGR.	JLAU	2/11/11	TITLE: High Current Helical Inductor	
APPR.	JLAU	2/11/11	28 uH, 160 Amps, Horizontal	
UNLESS OTHERWISE SPECIFIED			SIZE DWG. NO. B	REV A
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M			SCALE NOT_TO_SCALE	
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].			SHEET 1 OF 1	
TOLERANCE INCHES: .XXX=±.010 .XX=±.020 $\angle = \pm 0^{\circ} 30'$			CAD-FILE:	
TOLERANCE METRICS: .XXX=±.254 .XX=±.51 $\angle = \pm 0^{\circ} 30'$				
ANGLE PROJECTION				
DO NOT SCALE DRAWING				