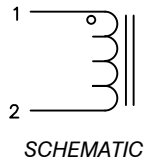


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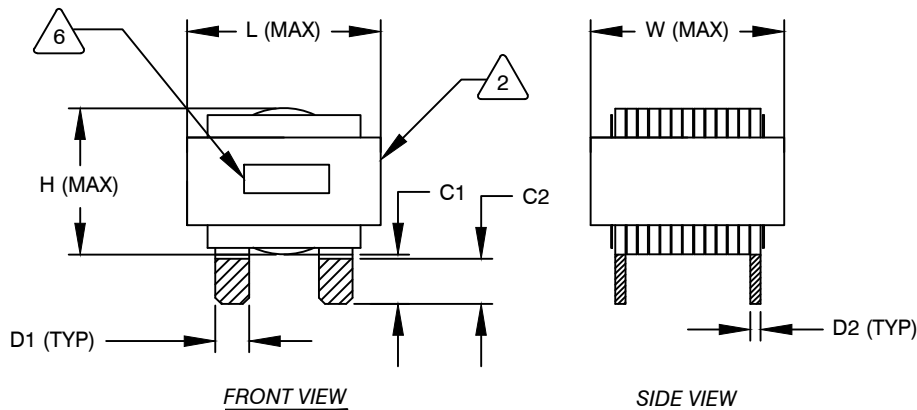
REVISION HISTORY

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



DIMENSIONAL TOLERANCE

	mm	inch
C1	13.01 ± 1.50	0.51 ± 0.06
C2	11.27 ± 1.00	0.44 ± 0.04
D1	7.50 (TYP)	0.30 (TYP)
D2	1.50 (TYP)	0.06 (TYP)
L	58.0 MAX	2.29 MAX
W	58.0 MAX	2.29 MAX
H	36.0 MAX	1.42 MAX



DC-BIAS	L
0A	60.0 uH
5A	58.5 uH
10A	57.1 uH
15A	55.2 uH
20A	52.7 uH
25A	49.8 uH
30A	47.8 uH
40A	42.9 uH
50A	37.9 uH
60A	25.8 uH

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

WRAP TAPE AROUND CORES
WITH CORES AND NOMEX SPACERS
ASSEMBLE PRE FORMED FLAT HELICAL COIL
CONSTRUCTION

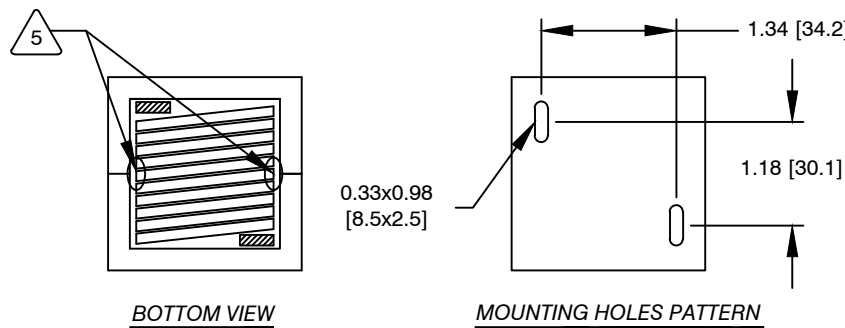
4 WEIGHT: 438 GRAM (Typ)
RECOMMENDED OPERATING TEMP: -40°C TO 85°C AT 55 °C AMBIENT
HI-POT TEST FOR WINDING TO CORE ISOLATION. 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE @ 10KHZ = 18pF (TYP)
|z|@SRF=6.0 KILO-OHM
SRF=4.7 MHz
RATED CURRENT: 90 AMPS
DCR= 3.0 MILLI-OHM MAX., USING GW INSTEK GOM-801H OR EQUAL
L@DC BIAS: SEE TABLE ON RIGHT.
L= 60uH ± 15%., MEASURED AT 10 KHZ, 0.25V, ZERO DC BIAS

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
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.



UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
TOLERANCE INCHES:
.XXX=±.010 .XX=±.020 $\angle = \pm 0'30''$
TOLERANCE METRICS:
.XXX=±.254 .XX=±.51 $\angle = \pm 0'30''$
ANGLE PROJECTION
DO NOT SCALE DRAWING

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				
AUTOCAD		X		
SOLIDWORKS				
SIGN	DATE	www.coilws.com sales@coilws.com		
DATE	Coil Winding Specialist, Inc. 353 W GROVE AVE ORANGE, CA 92865			
DRAWN RL	2/11/11	TITLE: High Current Helical Inductor 60 uH, 90 Amps, Horizontal		
CHECKED JLAU	2/11/11	SIZE DWG. NO. B ES55244-600M-90AH		
ENGR. JLAU	2/11/11			
APPR. JLAU	2/11/11	SCALE NOT_TO_SCALE		
				SHEET 1 OF 1