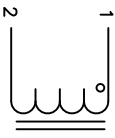
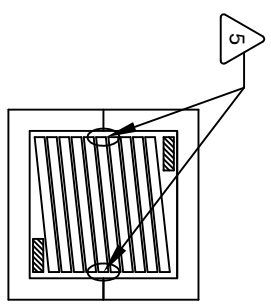
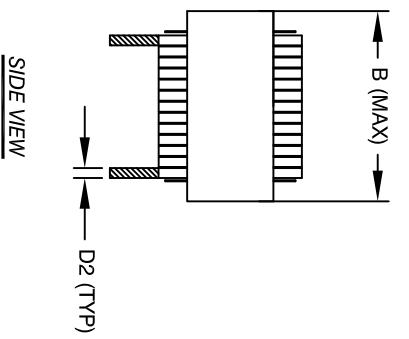
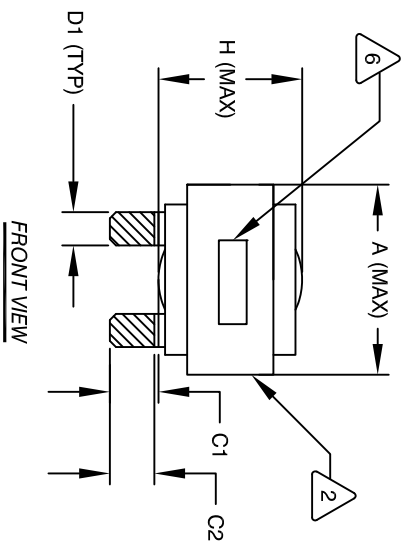


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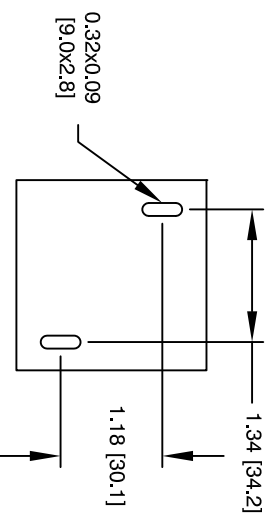
REVISION HISTORY		SIGN & DATE		
REV	ECN	DESCRIPTION	BY	DATE
A		PRODUCTION RELEASE	GM	8/23/12
			JLU	8/23/12



SCHEMATIC



BOTTOM VIEW



MOUNTING HOLES PATTERN

DIMENSIONAL TOLERANCE

	mm	Inch
C1	14.23±1.50	0.56 ± 0.06
C2	12.12±1.00	0.48 ± 0.04
D1	7.60 (TYP)	0.30 (TYP)
D2	2.60 (TYP)	0.10 (TYP)
A	57.0 MAX	2.24 MAX
B	57.0 MAX	2.24 MAX
H	38.0 MAX	1.50 MAX

DC-BIAS	L
0A	14 uH
5A	14 uH
10A	14 uH
15A	14 uH
20A	13.8 uH
25A	13.7 uH
30A	13.2 uH
40A	12.7 uH
50A	12.3 uH
60A	11.9 uH
80A	10.9 uH
100A	10.3 uH
120A	10.1 uH
160A	10.0 uH
200A	9.9 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
- 4 WRAP TAPE AROUND CORES
WITH CORES AND NOMEX SPACERS
ASSEMBLE PRE FORMED FLAT HELICAL COIL
CONSTRUCTION
WEIGHT: 436 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 = 15pF (TYP)
|z|@SRF = 3.6 KILLO-OHM (TYP)
SRF = 11 MHZ (TYP)
RATED CURRENT: 200 AMPS
DCR = 1.1 MILLI-OHM MAX.
L@DC BIAS: SEE TABLE ON RIGHT.
L = 14uH ± 15%, MEASURED AT 10 KHZ, 0.25V, ZERO DC BIAS
SPECIFICATIONS:

- 3 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

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
			PARTS LIST	
			www.coilws.com	
			353 W. GROVE AVE	
			ORANGE, CA 92665	
			Coil Winding Specialist, Inc.	
			High Current Helical Inductor	
			14 uH, 200 Amps, Horizontal	
			SIZE Dwg. No. ES55242-140M-200AH	
			SCALE NOT TO SCALE	
			SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND DIMENSIONS ARE IN INCHES AND [DIMETERS].	
TOLERANCE INCHES: .XX±.010 .X±.020 TOLERANCE METERS: .XXX±.254 .XX±.51	∠=±0°30'
ANGLE PROJECTION	∠=±0°30'
DO NOT SCALE DRAWING	