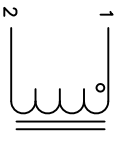


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REVISION HISTORY

REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	RL	2/13/11	JCL	2/13/11
			RCL	6/24/11		



SCHEMATIC

- 8 NOISE FILTERS
- APPLICATION: ENERGY STORAGE FILTER, SWINGING CHOKES

- 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

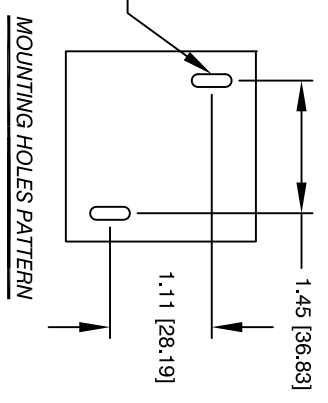
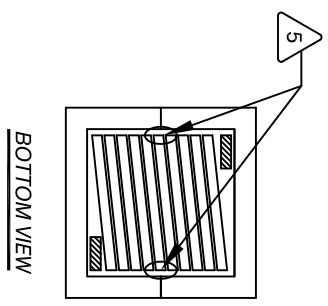
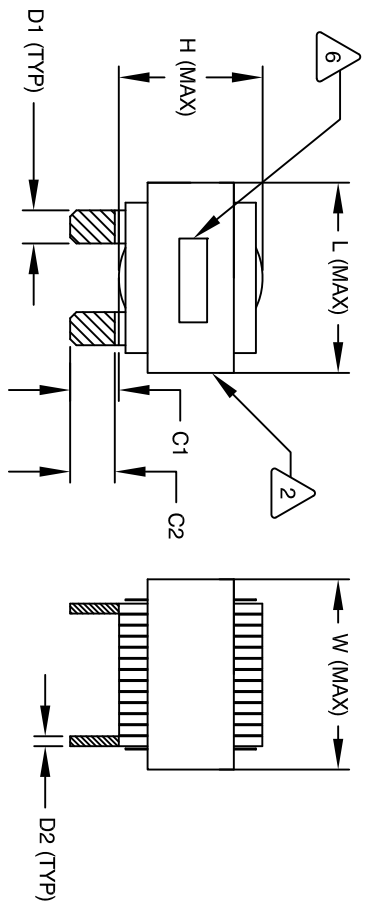
- WEIGHT: 444.69 GRAM (TYP)
- MAX INDUCTOR TEMP RATING: 200°C
- RECOMMENDED OPERATING TEMP: -40°C TO 85°C
- H-POT TEST FOR WINDING TO CORE ISOLATION. 1000VDC @ 2mA, 1 MIN
- INTERWINDING CAPACITANCE @ 10KHZ = 16.46pF (TYP)
- |z|@SRF=6.3 KILO-OHM (TYP)
- SRF=2.5 MHZ (TYP)
- RATED CURRENT: 40 AMPS
- DCR= 9.7 MILLI-OHM MAX.
- L@DC BIAS: SEE TABLE ON RIGHT.
- L= 220uH, 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.

CAGE NO: 5DMIE2



DIMENSIONAL TOLERANCE

	mm	Inch
C1	13.46±1.50	0.53 ± 0.06
C2	11.30±1.00	0.44 ± 0.04
D1	6.0 (TYP)	0.23 (TYP)
D2	0.9 (TYP)	0.04 (TYP)
L	58.0 MAX	2.29 MAX
W	58.0 MAX	2.29 MAX
H	34.0 MAX	1.34 MAX

DC-BIAS L

DC-BIAS	L
0A	247.1 uH
5A	226.5 uH
10A	197.7 uH
15A	163.4 uH
20A	131.1 uH
25A	104.6 uH

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
			High Current Helical Inductor	
			220 uH, 40 Amps, Horizontal	

PARTS LIST		Coil Winding Specialist, Inc.	
www.coilws.com	353 W. GROVE AVE	ORANGE, CA	92665

UNLESS OTHERWISE SPECIFIED	DRAWN	DATE	ENGR.	DATE
	RL	2/11/11	JLJU	2/11/11
	RL	2/11/11	JLJU	2/11/11

DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND DIMETERS.	TOLERANCE INCHES:	ANGLE PROJECTION	DO NOT SCALE DRAWING
	XXX=±0.10 .XX=±0.020 .XXX=±.254 .XX=±.51	☑=±0°30'	☑