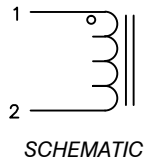


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REVISION HISTORY

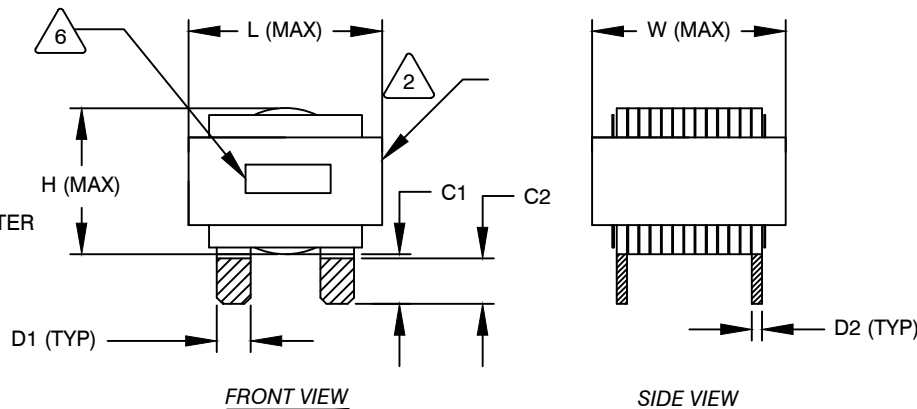
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	RCL	6/22/11	JCL	3/21/11



DIMENSIONAL TOLERANCE

	mm	inch
C1	12.20±1.50	0.48 ± 0.06
C2	11.10±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

- 8 APPLICATION: OUTPUT CHOKE, HIGH DC-BIAS INDUCTOR, INPUT FILTER
- 7 BUILT TO RoHS COMPLIANCE AND LEAD FREE.

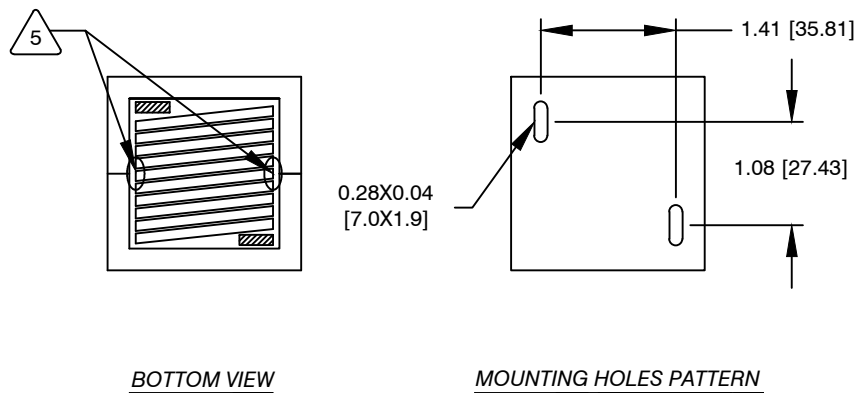


6 MARK PART NUMBER AND REVISION WHERE SHOWN

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: 467.39 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 = 18.39 pF (TYP)
|z|@SRF=5.5 KILO-OHM
SRF=2.5 MHz
RATED CURRENT: 50 AMPS
DCR= 9.7 MILLI-OHM MAX., USING GW INSTEK GOM-801H OR EQUAL
L@DC BIAS: SEE TABLE ON RIGHT.
L= 220uH, MEASURED AT 10 KHz, 0.25V, ZERO DC BIAS
- 3 SPECIFICATIONS:



DC-BIAS	L
0A	221.5uH
5A	222.9uH
10A	218.9uH
15A	211.1uH
20A	201.2uH
25A	187.5uH
30A	171.0uH
35A	157.0uH
40A	139.0uH
45A	126.0uH
50A	112.0uH

2 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

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

NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.

CAGE CODE: 5DME2

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 Coil Winding Specialist, Inc. 353 W GROVE AVE ORANGE, CA 92865	
DRAWN	RL	2/11/11		
CHECKED	JLAU	2/11/11		
ENGR.	JLAU	2/11/11		
APPR.	JLAU	2/11/11		
TITLE:			High Current Helical Inductor 220 uH, 50 Amps, Horizontal	
SIZE	DWG. NO.	REV		
B	EK55246-221M-50AH	A		
SCALE			SHEET 1 OF 1	
NOT_TO_SCALE				