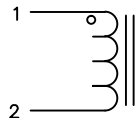


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REVISION HISTORY

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



SCHEMATIC

DIMENSIONAL TOLERANCE

	mm	inch
C1	13.96±1.50	0.55 ± 0.06
C2	11.41±1.00	0.45 ± 0.04
D1	7.0 (TYP)	0.28 (TYP)
D2	0.7 (TYP)	0.03 (TYP)
L	58.0 MAX	2.29 MAX
W	58.0 MAX	2.29 MAX
H	35.0 MAX	1.37 MAX

DC-BIAS	L
0A	372.2uH
5A	334.7uH
10A	272.8uH
15A	210.7uH
20A	160.4uH
25A	129.1uH
27A	120.0uH

8 NOISE FILTER
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

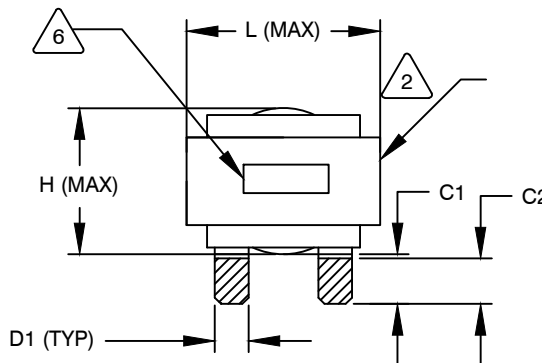
4 CONSTRUCTION
WRAP TAPE AROUND CORES
WITH CORES AND NOMEX SPACERS
ASSEMBLE PRE FORMED FLAT HELICAL COIL
WEIGHT: 428 GRAM (Typ)
RECOMMENDED OPERATING TEMP: -40°C TO 85°C AT 55 °C AMBIENT
HI-POT TEST FOR WINDING TO CORE ISOLATION. 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE @ 10KHZ = 21.06pF (TYP)
|z|@SRF=6.9 KILO-OHM
SRF=1.8 MHz
RATED CURRENT: 27 AMPS
DCR= 13.5 MILLI-OHM MAX., USING GW INSTEK GOM-801H OR EQUAL
L@DC BIAS: SEE TABLE ON RIGHT.
L= 340 uH ± 15%, MEASURED AT 10 KHZ, 0.25V, ZERO DC BIAS
3 SPECIFICATIONS:

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

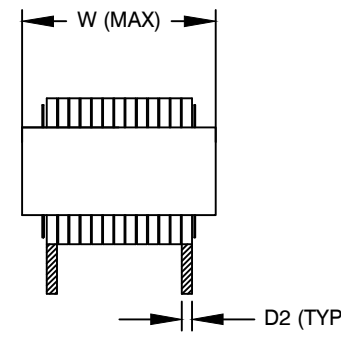
1 INSULATION CLASS 200°C REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED.READ FROM BOTTOM UP.

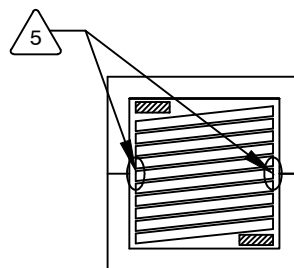
CAGE NO: 5DME2



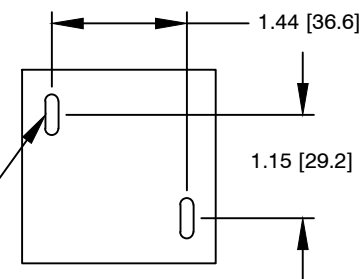
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



MOUNTING HOLES PATTERN

UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
TOLERANCE INCHES:
.XXX±.010 .XX±.020 $\angle = \pm 0^{\circ}30'$
TOLERANCE METRICS:
.XXX±.254 .XX±.51 $\angle = \pm 0^{\circ}30'$
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		
DRAWN	RL	2/11/11	Coil Winding Specialist, Inc. 353 W GROVE AVE ORANGE, CA 92865	
CHECKED	JLAU	2/11/11		
ENGR.	JLAU	2/11/11		
APPR.	JLAU	2/11/11		
TITLE: High Current Helical Inductor 340 uH, 27 Amps, Horizontal			SIZE DWG. NO.	REV
			B ES55246-341M-27AH	A
SCALE			NOT_TO_SCALE	SHEET 1 OF 1