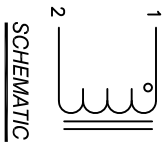


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DIMENSIONAL TOLERANCE					
C (TYP)	D (MIN)	L1 (TYP)	L (MAX)	W (MAX)	H (MAX)
0.50 [±] [12.70]	12.00 [±] [304.8]	11.00 [±] [279.4]	15.50 [±] [393.7]	4.65 [±] [118.1]	3.80 [±] [96.5]

REVISION HISTORY			SIGN & DATE			
REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
A	151130	PRODUCTION RELEASE	JK	11/30/15	JLU	11/30/15



SCHEMATIC

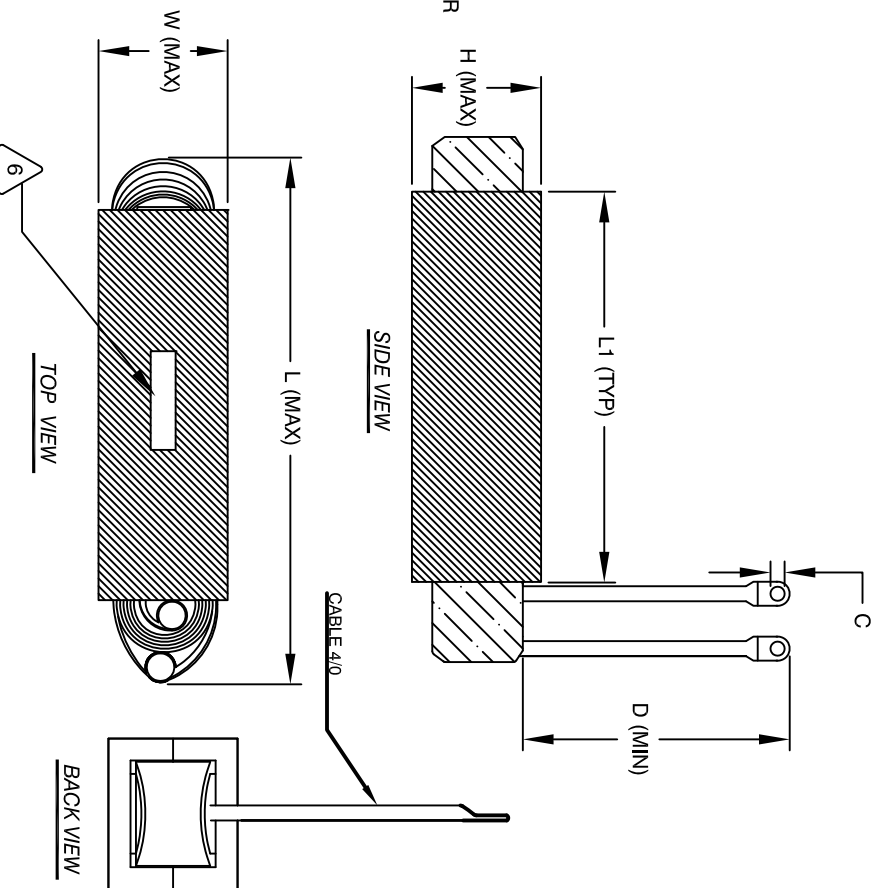
- 8 APPLICATION: OUTPUT CHOKE, HIGH CURRENT INDUCTOR, INPUT FILTER
- 7 BUILT TO ROHS COMPLIANCE

- 6 LABEL PART NUMBER AND REVISION WHERE SHOWN
- 5 VARNISHED AND CURE
APPLY SILICON IF REQUIRED
WRAP TAPE AROUND CORES
WITH CORES AND NOMEX
PRE FORMED FLAT COPPER SHEETS
CONSTRUCTION:

- 4 WEIGHT: 46 LB (TYP)
RECOMMENDED OPERATING FREQUENCY: 60HZ TO 500KHZ
RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 105°C
HI-POT TEST FROM WINDING TO CORE 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE @ SRF = 222pf (TYP)
|z| @ SRF = 29 KIL-OHM
SRF = 425 KHz
RATED CURRENT: 450 AMPS, APPROPRIATE AIR FLOW NEEDED.
DCR = 4.5 MILLIOHM MAX.
L @ DC BIAS: SEE TABLE ON RIGHT.
L = 630uH ± 12%, MEASURED AT 1 KHZ, 0.25V, ZERO DC BIAS
SPECIFICATIONS:
- 3 BAKE VARNISH
SILICON DOW CORNING OR EQUAL
OUTER WRAP: 3M GLASS OR EQUAL
CORE: COMPACTED POWDERED CORE
MATERIAL: UL RECOGNIZED

NOTES: UNLESS OTHERWISE SPECIFIED READ FROM BOTTOM UP.

CAGE CODE: 5DME2



DC-BIAS	L
0A	630uH
25A	615uH
50A	573uH
75A	527uH
100A	474uH
125A	423uH
150A	375uH
175A	333uH
200A	313uH
225A	295uH
250A	278uH
275A	266uH
300A	249uH
325A	222uH
350A	201uH
375A	193uH
400A	177uH
425A	169uH
450A	161uH

PARTS LIST		AUTOCAD		SOLIDWORKS		DRAWN		CHECKED		ENGR.		APPR.		BO		SCALE	
UNLESS OTHERWISE SPECIFIED	DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND [DIMETERS].	UNLESS OTHERWISE SPECIFIED	SIGN	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
TOLERANCE INCHES: .XXX=±.010 .XX=±.020 .X=±.030 TOLERANCE METRICS: .XXX=±.254 .XX=±.51 .X=±0.30																	
ANGLE PROJECTION																	
DO NOT SCALE DRAWING																	
www.coilws.com sales@coilws.com		Coil Winding Specialist, Inc.		353 W. GROVE AVE ORANGE, CA 92665		High Current Inductor		High Frequency Inductor		630 uH, 450 Amps		HCS-631M-450A		REV A		SHEET 1 OF 1	