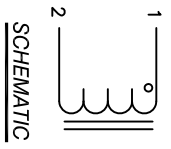


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DIMENSIONAL TOLERANCE					
C	D	L1	L	W	H
(TYP)	(MIN)	(TYP)	(MAX)	(MAX)	(MAX)
0.50"	12.00"	11.00"	15.50"	4.65"	3.80"
[12.70]	[304.8]	[279.4]	[393.7]	[118.1]	[96.5]

REVISION HISTORY			SIGN & DATE	
REV	EON	DESCRIPTION	BY	DATE
A	151217-2	PRODUCTION RELEASE	AK	12/17/15



SCHEMATIC

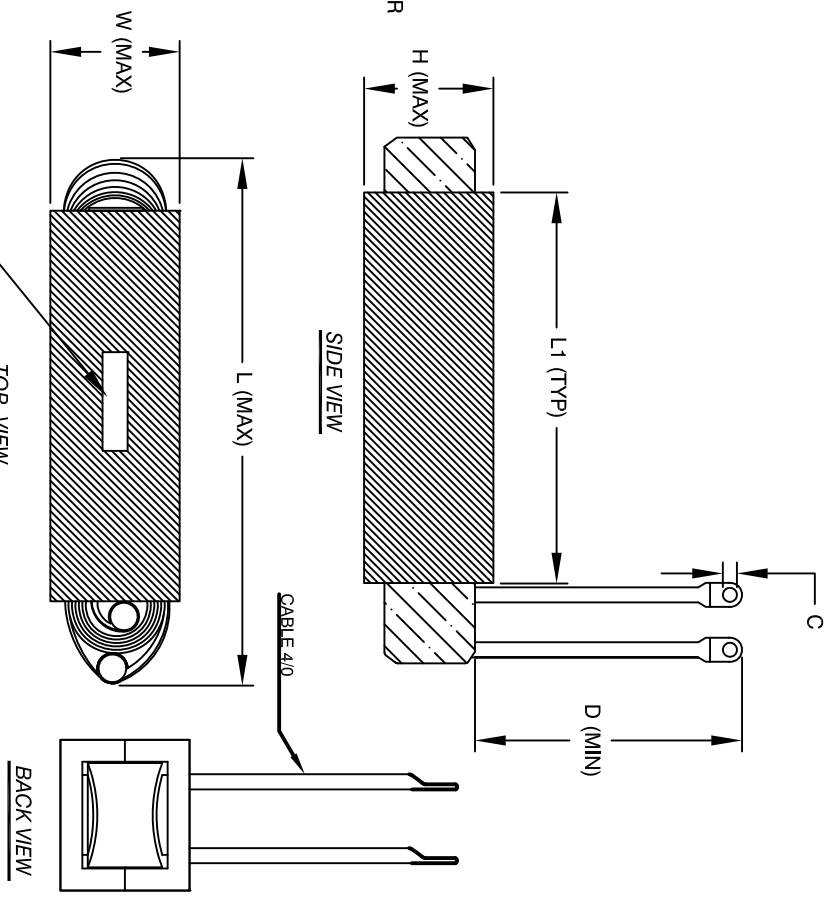
- 8 APPLICATION: OUTPUT CHOKE, HIGH CURRENT INDUCTOR, INPUT FILTER
- 7 BUILT TO ROHS COMPLIANCE

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

- 1 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 = 224pF (TYP)  
|Z|@SRF=71 KIL-OHM  
SRF=328 KHz
- 2 RATED CURRENT: 350 AMPS, APPROPRIATE AIR FLOW NEEDED.  
DCR = 4.5 MILLIOHM MAX.  
L@DC BIAS: SEE TABLE ON RIGHT.  
L=1048uH ± 12%, MEASURED AT 1 KHz, 0.25V, ZERO DC BIAS
- 3 SPECIFICATIONS:

- 1 VARNISH
- 2 SILICON DOW CORNING OR EQUAL  
OUTER WRAP: 3M GLASS OR EQUAL
- 3 CORE: COMPACTED POWDERED CORE
- 4 MATERIAL: UL RECOGNIZED

NOTES: UNLESS OTHERWISE SPECIFIED READ FROM BOTTOM UP.  
CAGE CODE: **SDMIE2**



DC-BIAS	L
0A	1048uH
10A	973uH
20A	895uH
30A	805uH
40A	714uH
50A	633uH
60A	600uH
75A	<b>568uH</b>
100A	521uH
125A	502uH
150A	<b>480uH</b>
175A	<b>407uH</b>
200A	333uH
225A	246uH
250A	209uH
275A	188uH
300A	<b>162uH</b>

PARTS LIST		AUTOCAD		SOLIDWORKS	
QTY	DESCRIPTION	DATE	SIGN	DATE	SIGN
	High Current Inductor	12/17/15	AK	12/17/15	AK
	High Frequency Inductor	12/17/15	JLJU	12/17/15	JLJU

UNLESS OTHERWISE SPECIFIED  
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M  
ALL DIMENSIONS ARE IN INCHES  
AND [MILLIMETERS].  
TOLERANCE INCHES:  $\pm .030$   
 $\pm .010$   $\pm .020$   
TOLERANCE METERS:  $\pm .001$   
 $\pm .002$   $\pm .005$   
ANGLE PROJECTION  $\pm 45^\circ$

DO NOT SCALE DRAWING

www.coilws.com  
353 W. GROVE AVE  
ORANGE, CA 92665  
Coil Winding Specialist, Inc.  
High Current Inductor  
High Frequency Inductor  
1048 uH, 300 Amps  
HCS-102M-300A  
SCALE NOT TO SCALE  
SHEET 1 OF 1