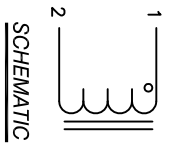


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DIMENSIONAL TOLERANCES INCHES (MM)									
A	C	D	L1	L	W	H			
TYP	TYP	MIN	TYP	MAX	MAX	MAX			
4.00	0.50	12.00	11.00	15.50	4.65	3.80			
[101.6]	[12.70]	[304.80]	[279.40]	[393.70]	[118.10]	[96.50]			

REVISION HISTORY			
REV	ECN	DESCRIPTION	DATE
A		PRODUCTION RELEASE	12/18/17



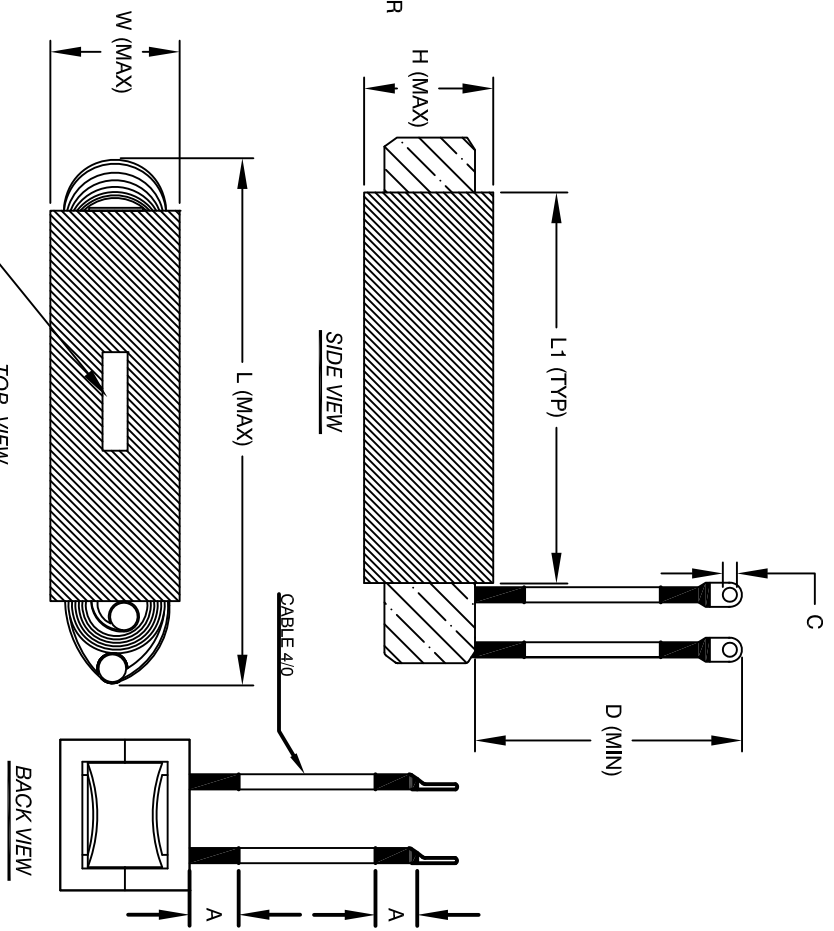
SCHEMATIC

- 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
- 4 APPLY SILICON IF REQUIRED
- 3 WRAP TAPE AROUND CORES
- 2 WITH CORES AND NOMEX
- 1 PRE FORMED FLAT COPPER SHEETS

- 4 CONSTRUCTION:
  - 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 = 256pF (TYP)
  - |Z|@SRF=8.51 KILLO-OHM
  - SRF=790 KHz
  - RATED CURRENT: 450 AMPS, APPROPRIATE AIR FLOW NEEDED.
  - DCR = 1.2 MILLIOHM MAX.
  - L@DC BIAS: SEE TABLE ON RIGHT.
  - L=120uH ± 10%, MEASURED AT 1 KHz, 0.25V, ZERO DC BIAS
- 3 SPECIFICATIONS:
  - BAKE VARNISH
  - SILICON DOW CORNING OR EQUAL
  - OUTER WRAP: 3M GLASS OR EQUAL
  - CORE: COMPACTED POWDERED CORE
  - 1 MATERIAL: UL RECOGNIZED

NOTES: UNLESS OTHERWISE SPECIFIED READ FROM BOTTOM UP.

CAGE CODE: 5DME2



DC-BIAS	L
0A	120uH
120A	102uH
210A	91uH
300A	77uH
400A	67uH
450A	63uH

PARTS LIST			
AUTOCAD	SIGN	DATE	TITLE
SOLIDWORKS	JL	12/18/17	High Current Inductor
	JL	12/18/17	High Frequency Inductor
	JL	12/18/17	120 uH, 450 Amps

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONING AND TOLERANCE PER ANSI Y14.5M  
 ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].  
 TOLERANCE INCHES:  $\phi = \pm 0.30'$   
 $\text{XXX} = \pm 0.10$   $\text{XX} = \pm 0.20$   
 TOLERANCE METRICS:  $\phi = \pm 0.30'$   
 $\text{XXX} = \pm 0.254$   $\text{XX} = \pm 0.51$   
 ANGLE PROJECTION

DO NOT SCALE DRAWING

AUTOCAD SOLIDWORKS		www.coilws.com		Coil Winding Specialist, Inc.	
DATE	SIGN	DATE	SIGN	353 W. GROVE AVE	ORANGE, CA 92665
12/18/17	JL	12/18/17	JL		
12/18/17	JL	12/18/17	JL		
12/18/17	JL	12/18/17	JL		

SCALE	NOT TO SCALE	SHEET	1 OF 1