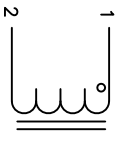
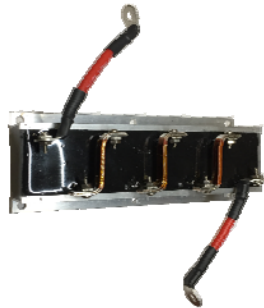


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DIMENSIONAL TOLERANCES INCHES (MM)

A	B	C	D	E	F	G	H	I	J	K	L	M	P1	P2	P3
MAX	MAX	MAX	MAX	MIN	MIN	REF	REF	REF	REF	REF	REF	MAX	1.14	5.39	0.59
(62.00)	1.34	6.42	0.55	0.24	0.24	0.06±0.27	0.12	0.18	2.97	1.06	0.47	3.15	1.14	5.39	0.59
[34.00]	(163.00)	(14.00)	(6.00)	(6.00)	(1.86±8)	[3.05]	[4.55]	[75.50]	[27.00]	[12.00]	[80.00]	[29.00]	[136.80]	[15.00]	

DC-BIAS	L
0A	115 uH
10A	105.5 uH
20A	88.5 uH
30A	73 uH
40A	62 uH
50A	53 uH



SCHEMATIC

- APPLICATION: ENERGY STORAGE FILTER, SWINGING CHOKE
- BUILT TO ROHS COMPLIANCE.
- LABEL PART NUMBER AND REVISION WHERE SHOWN

WEIGHT: 1426 GRAM (TYP)
 MAX INDUCTOR TEMP RATING: 200 °C
 RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 85°C
 HI-POT TEST 1000VDC @ 2mA, 1 MIN. TERMINALS TO CASE
 INTERWINDING CAPACITANCE @ SRF = 27pF (TYP)
 |Z| @ SRF=4.5 KILO-OHM (TYP)
 SRF=3.3 MHz (TYP)
 RATED CURRENT: 90 AMPS WITH HEAT SINK OR AIRFLOW
 DCR = 10 MILLI-OHM MAX.
 L @ DC BIAS: SEE TABLE
 L = 115 uH ± 15% NOM AT 10 KHZ, 0.25V, ZERO DC BIAS

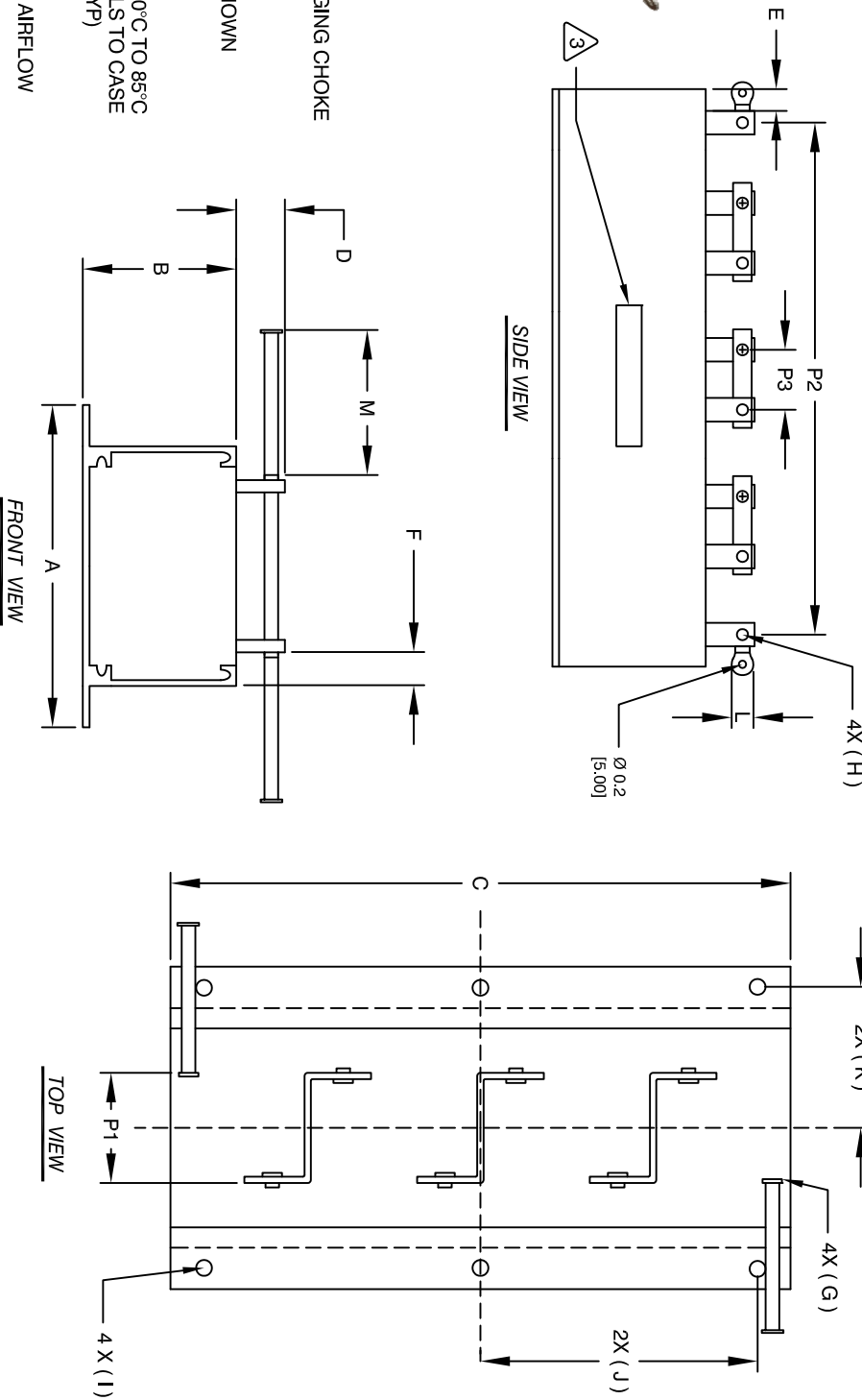
2 SPECIFICATIONS:

ENCLOSURE: POTTED AND ALUMINUM METAL FRAME
 WIRE: 200°C RATED MAGNET WIRE UL APPROVED
 CORE: POWDER CORE

1 MATERIALS:

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.
 CAGE CODE: 5DME2

REVISION HISTORY		SIGN & DATE	
REV	ECN	DESCRIPTION	DATE
A	151204	PRODUCTION RELEASE	07/13/17



PARTS LIST

UNLESS OTHERWISE SPECIFIED	AUTOCAD	X	DATE	TITLE
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	SOLIDWORKS		07/13/17	High Current Helical Inductor
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].	SIGN		08/29/17	115 uH, 90 Amps, Horizontal
TOLERANCE INCHES: .XX±.010 .X±.020 .XXX±.010 .XX±.020	DRAWN	JL	08/29/17	
TOLERANCE METRICS: .XX±.51	ENGR.	BO	08/29/17	
ANGLE PROJECTION	APPR.	JLJU	08/29/17	
DO NOT SCALE DRAWING				

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SCALE: NOT TO SCALE
 SHEET 1 OF 1
 REV A