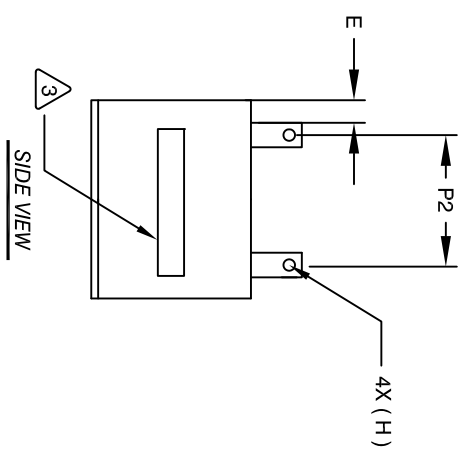
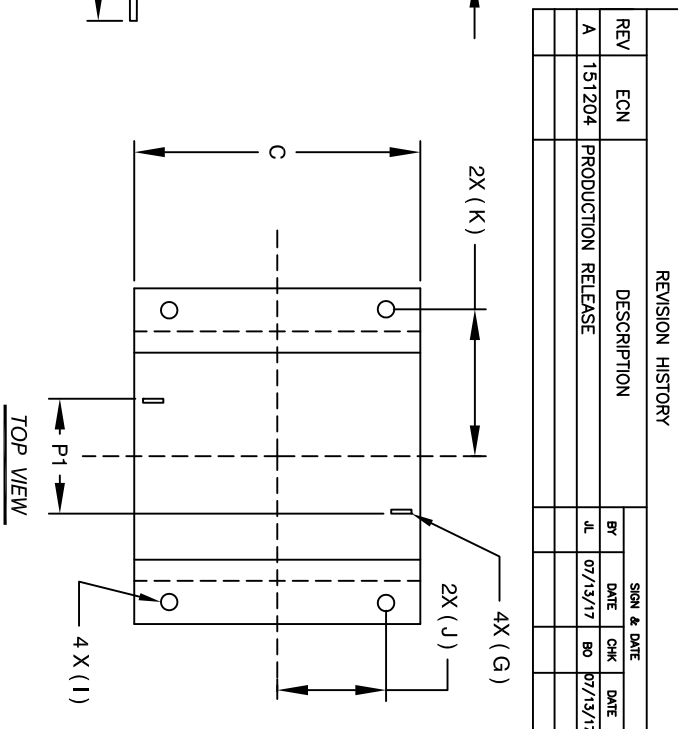
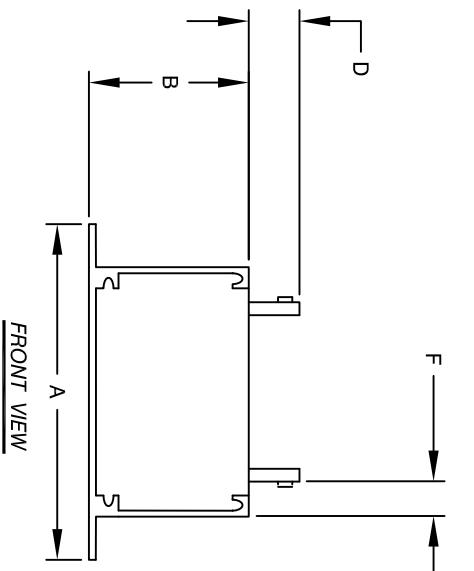
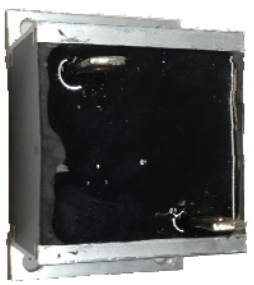


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DIMENSIONAL TOLERANCES INCHES (MM)												
A	B	C	D	E	F	G	H	I	J	K	P1	P2
MAX	MAX	MAX	MAX	MIN	MIN	REF	REF	REF	REF	REF	P1	P2
2.44 (62.00)	1.34 (34.00)	1.69 (43.00)	0.55 (14.00)	0.24 (6.00)	0.24 (6.00)	0.06±0.27 (1.6±0.69)	0.12 (3.05)	0.18 (4.55)	0.63 (16.00)	1.06 (27.00)	1.14 (29.00)	0.91 (23.00)



SCHEMATIC

DC-BIAS	L
0A	30 uH
10A	26.5 uH
20A	22.5 uH
30A	19 uH
40A	16 uH
50A	14 uH

- APPLICATION: ENERGY STORAGE FILTER, SWINGING CHOKE
- BUILT TO ROHS COMPLIANCE.

3 LABEL PART NUMBER AND REVISION WHERE SHOWN

WEIGHT: .376 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 = 13pF (TYP)
 |z| @ SRF=2.5 KILO-OHM (TYP)
 SRF=8.5 MHZ (TYP)
 RATED CURRENT: 90 AMPS WITH HEAT SINK OR AIRFLOW
 DCR = 2.5 MILLIOHM MAX.
 L @ DC BIAS: SEE TABLE
 L = 30 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	BY	DATE	CHK	DATE
A	151204	PRODUCTION RELEASE	UL	07/13/17	BO	07/13/17

UNLESS OTHERWISE SPECIFIED		AUTOCAD		X	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND [DIMETERS].		SOLIDWORKS		SIGN	
TOLERANCE INCHES: .XXX±.010 .XX±.020 TOLERANCE METERS: .XXX±.254 .XX±.51		DRAWN		DATE	
ANGLE PROJECTION		JL		07/13/17	
DO NOT SCALE DRAWING		CHKD		JM	
		ENGR.		BO	
		APPR.		JLAU	
				08/29/17	
				08/29/17	

PARTS LIST

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 sales@coilws.com

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 353 W. GROVE AVE
 ORANGE, CA 92665

TITLE: High Current Helical Inductor
 30 uH, 90 Amps, Horizontal

SIZE DWG. NO. EE70340-113