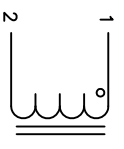
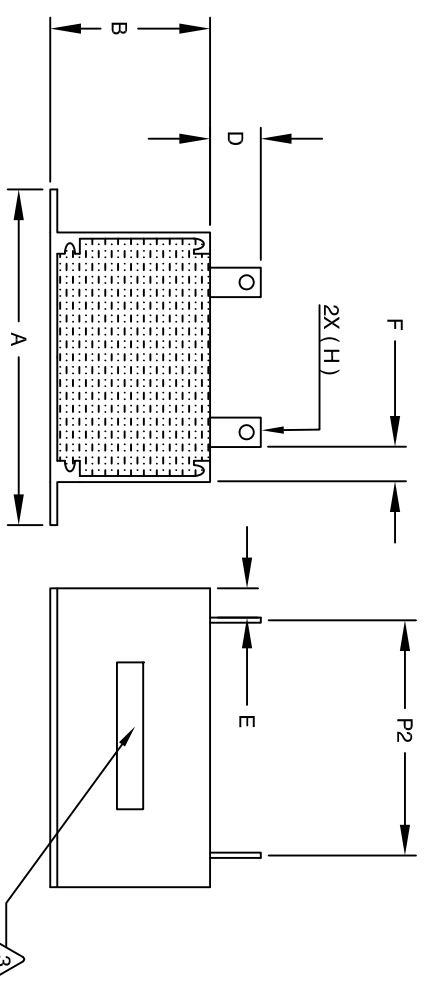


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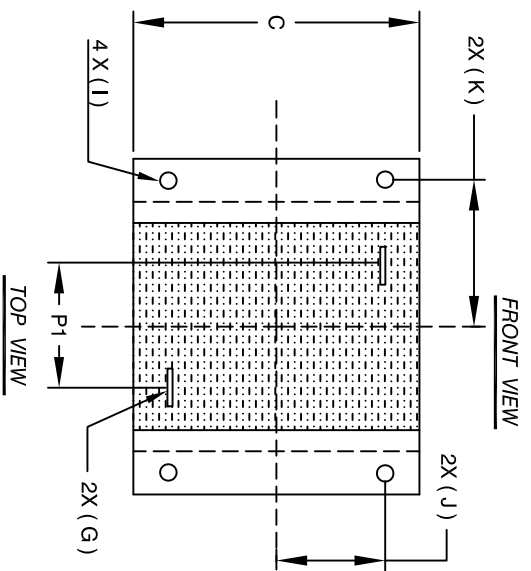


SCHEMATIC



DIMENSIONS

Dimension	mm	In
A	85.60±0.51	3.37±0.02
B	40.13±1.27	1.58±0.05
C	61.21±1.27	2.41±0.05
D	11.43 Ref.	0.45 Ref.
E	13.46 Ref.	0.53 Ref.
F	11.18 Ref.	0.44 Ref.
G	1.0x7.5 Ref.	0.039x0.295 Ref.
H	2.72 Min.	0.107 Min.
I	4.06 Min.	0.160 Min.
J	20.50±0.38	0.81±0.015
K	37.00±0.38	1.457±0.015
P1	29.96 Ref.	1.14 Ref.
P2	34.29 Ref.	1.35 Ref.



TOP VIEW



PICTURE

PARTS LIST

DC-BIAS	L
0A	169 uH
5A	160 uH
10A	148 uH
15A	132 uH
20A	114 uH
25A	96 uH
30A	92 uH
35A	88 uH
40A	72 uH

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

WEIGHT: 610 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 = 14pF (TYP)  
 |Z| @ SRF=25 KIL-O-OHM (TYP)  
 SRF=3.2 MHz (TYP)  
 RATED CURRENT: 40 AMPS  
 DCR= 6.9 MILLI-OHM MAX.  
 L @ DC BIAS: SEE TABLE  
 L= 170 uH ± 15% AT 10 KHZ, 0.25V, ZERO DC BIAS

- 2 SPECIFICATIONS:
- ENCLOSURE: ALUMINUM METAL
- WIPE: 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	12/04/15

UNLESS OTHERWISE SPECIFIED		AUTOCAD		X	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		SOLIDWORKS			
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].		DRAWN		AK	
TOLERANCE INCHES: .XX±.010 .X±.020		ENGR.		BO	
TOLERANCE METRICS: .XX±.254 .X±.51		APPR.		JLAU	
ANGLE PROJECTION		DO NOT SCALE DRAWING			
TITLE: High Current Helical Inductor		www.coilws.com		Coil Winding Specialist, Inc.	
170 uH, 40 Amps, Horizontal		scles@coilws.com		353 W. GROVE AVE	
SIZE Dwg. NO. EES55246-171M-40A		SCALE NOT TO SCALE		ORANGE, CA 92865	
REV A		SHEET 1 OF 1			