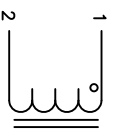


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PICTURE



SCHEMATIC

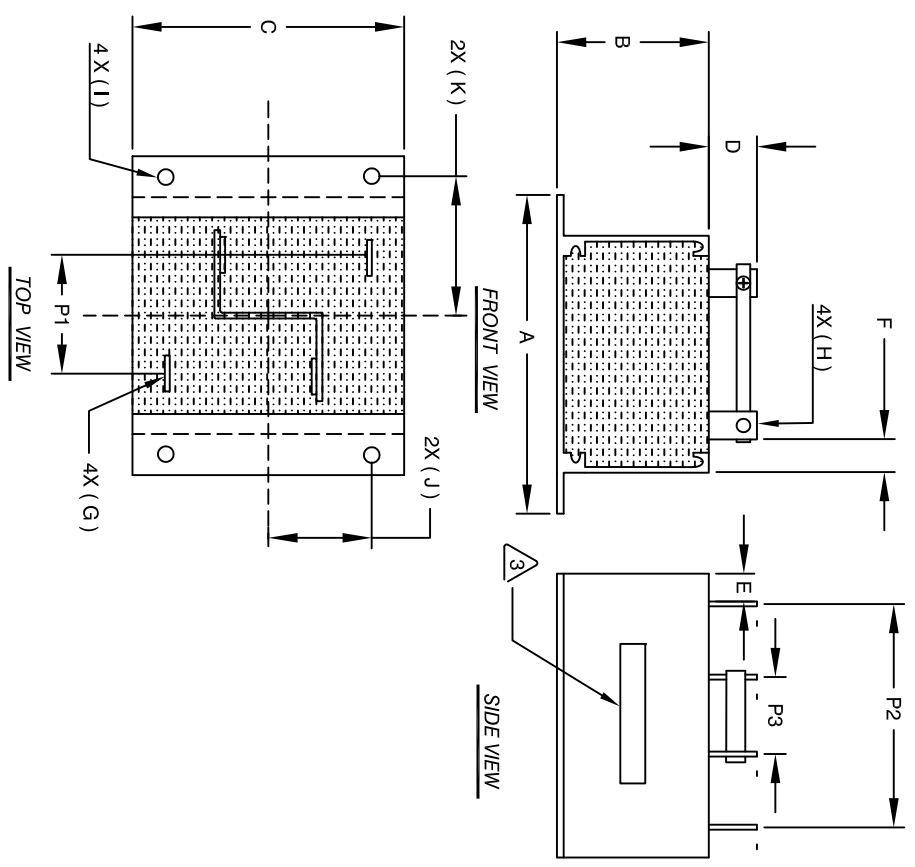
- 5 APPLICATION: ENERGY STORAGE FILTER, SWINGING CHOKE
- 4 BUILT TO ROHS COMPLIANCE.
- 3 LABEL PART NUMBER AND REVISION WHERE SHOWN

WEIGHT: 1200 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 = 15pF (TYP)
 |Z| @ SRF = 55 KIL-OHM (TYP)
 SRF = 2.4 MHz (TYP)
 RATED CURRENT: 40 AMPS
 DCR = 15 MILLI-OHM MAX.
 L @ DC BIAS: SEE TABLE
 L = 340 uH ± 15% AT 10 KHz, 0.25V, ZERO DC BIAS

2 SPECIFICATIONS:
 ENCLOSURE: ALUMINUM METAL
 WIRE: 200°C RATED MAGNET WIRE UL APPROVED
 CORE: POWDER CORE

1 MATERIALS:

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.
 GAGE CODE: 5DM/E2



REVISION HISTORY		SIGN & DATE	
REV	ECN	DESCRIPTION	DATE
A	151204	PRODUCTION RELEASE	06/02/17

DIMENSIONS	
	mm
A	85.60±0.51
B	40.13±1.27
C	118.11±1.27
D	11.43 Ref.
E	13.46 Ref.
F	11.18 Ref.
G	1.0x7.5 Ref.
H	2.72 Min.
I	4.06 Min.
J	20.50±0.38
K	37.00±0.38
P1	29.96 Ref.
P2	34.29 Ref.
P3	24.54 Ref.

DC-BIAS	L
0A	340 uH
5A	320 uH
10A	300 uH
15A	270 uH
20A	230 uH
25A	180 uH
30A	160 uH
35A	145 uH
40A	130 uH

PARTS LIST		TITLE:	
AUTOCAD	X	High Current Helical Inductor	
SOLIDWORKS		340 uH, 40 Amps, Horizontal	
SIGN	DATE	WWW.COILS.COM	Coil Winding Specialist, Inc.
DRWIN	06/02/17	SALES@COILS.COM	353 W GROVE AVE
AK	06/02/17		ORANGE, CA 92665
ENGR.	BO		
JLAU	06/02/17		