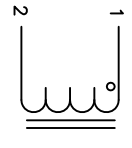


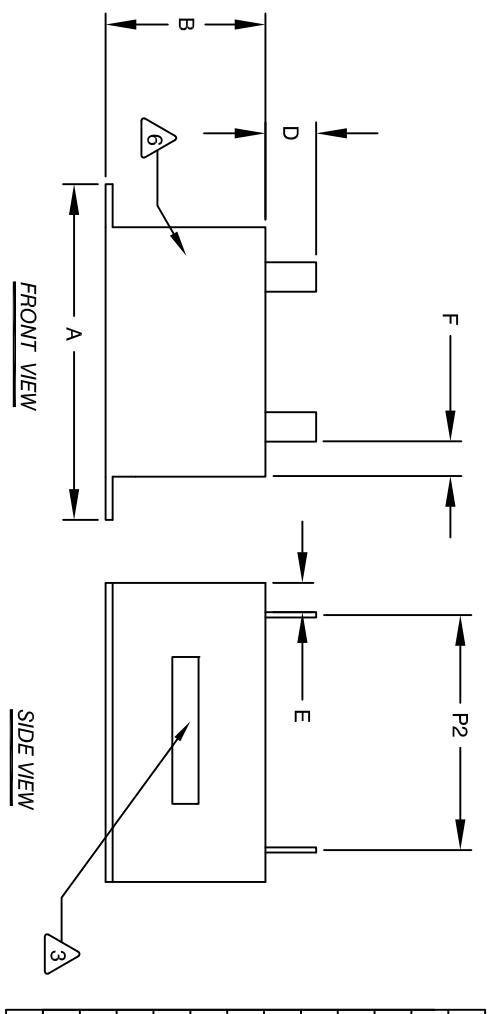
The information contained in this drawing is the sole property of Coil Winding Specialist, Inc. Any reproduction in part or whole without written permission of Coil Winding Specialist, Inc. is prohibited.

REVISION HISTORY

REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
A	131030	PRODUCTION RELEASE	AK	07/05/16	BO	07/05/16
A1		SIDE VIEW DIM 2.54 CHANGED TO 2.64	SK	10/10/19	BO	10/10/19
A2		ADDED "NO-OUTGASSING EPOXY" NOTE	TL	11/11/19	JL	11/11/19
B		UPDATED MECHANICAL SPEC.	TN	12/13/19	JL	12/13/19



SCHEMATIC



	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	1.5x7.5 Ref.	0.06x0.30 Ref.
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.

6 POTTING: NO-OUTGASSING EPOXY ONLY.

5 APPLICATION: ENERGY STORAGE FILTER, SWINGING CHOKE

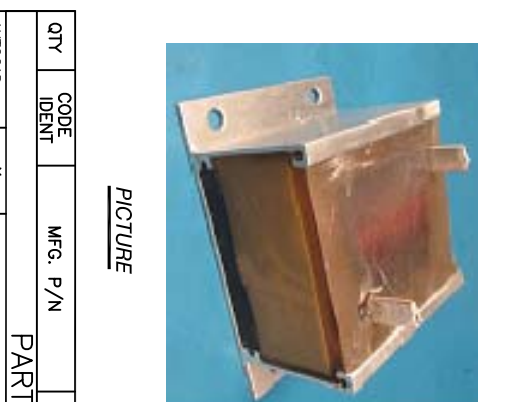
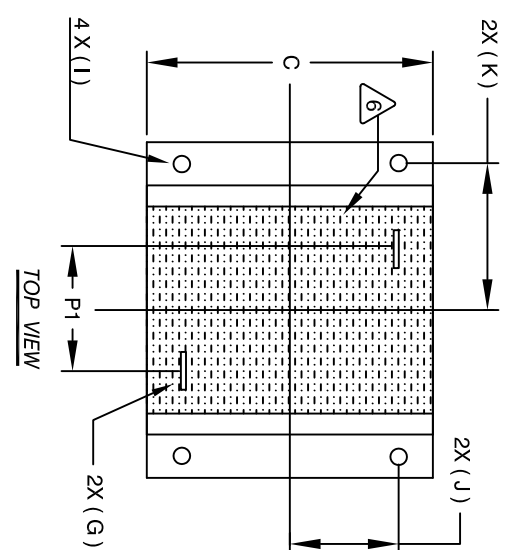
4 BUILT TO ROHS COMPLIANCE.

3 MARK PART NUMBER AND REVISION WHERE SHOWN

WEIGHT: 534 GRAM (TYP)
 MAX INDUCTOR TEMP RATING: 200°C
 APPROPRIATE AIR FLOW.
 RECOMMENDED OPERATING TEMP: -40°C TO 85°C WITH
 HI-POT TEST 1000VDC @ 2mA, 1 MIN. TERMINALS TO CASE
 INTERWINDING CAPACITANCE @ 10KHZ = 19.06PF (TYP)
 |Z| @ SRF = 4.4 KILO-OHM (TYP)
 SRF = 4.0 MHZ
 RATED CURRENT: 85 AMPS
 DCR = 3.0 MILLI-OHM MAX.
 L @ DC BIAS: SEE TABLE
 L = 80 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.
 CAGE CODE: 5DME2



DC-BIAS	L
0A	86 uH
5A	86 uH
10A	85 uH
15A	84 uH
20A	82 uH
25A	80 uH
30A	74 uH
40A	71 uH
50A	63 uH
60A	59 uH
70A	49 uH
85A	43 uH

UNLESS OTHERWISE SPECIFIED		DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].		TOLERANCE INCHES: .XXX±.010 .XX±.020		TOLERANCE METRICS: .XXX±.254 .XX±.51		ANGLE PROJECTION		DO NOT SCALE DRAWING	
QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.	TITLE: High Current Helical Inductor		SIZE DIM. NO. A		SCALE NOT_TO_SCALE		SHEET 1 OF 1		
PARTS LIST				AUTOCAD SOLIDWORKS SIGN X DATE DRAWN AK 7/29/16 CHECKED JM 7/29/16 ENGR. JL 7/29/16 APPR. BO 7/29/16									
www.coilw.com sales@coilw.com				Coil Winding Specialist, Inc. 353 W. GROVE AVE ORANGE, CA 92665									