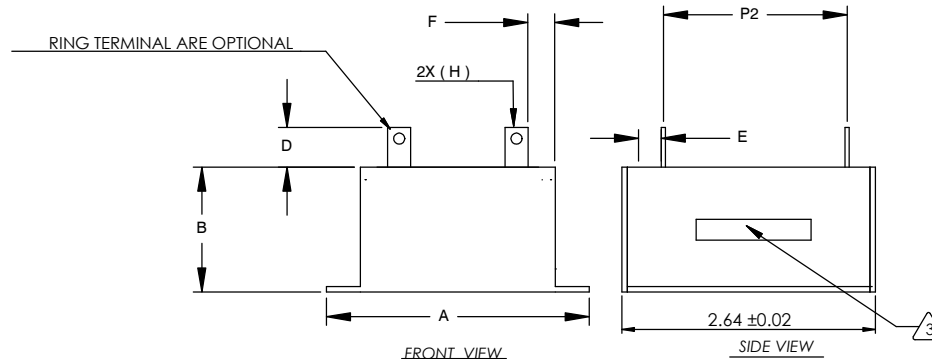
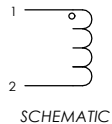


REVISION HISTORY							
REV	ECN	DESCRIPTION	SIGN & DATE				
			BY	DATE	CHK	DATE	
A	131030	PRODUCTION RELEASE	AK	07/05/16	BO	07/05/16	
A1		SIDE VIEW DIM 2.54 CHANGED TO 2.64	SK	10/10/19	BO	10/10/19	

DIMENSIONS

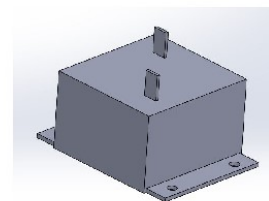
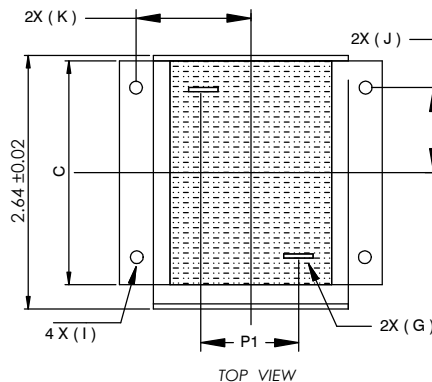
	mm	In
A	85.60±0.51	3.37±0.02
B	40.13±1.27	1.58±0.05
C	61.21±1.27	2.41±0.05
D	11.43 Ref.	0.45 Ref.
E	13.46 Ref.	0.53 Ref.
F	11.18 Ref.	0.44 Ref.
G	1.5x7.5 Ref.	0.06X0.30 Ref.
H	2.72 Min.	0.107 Min.
I	4.06 Min.	0.160 Min.
J	20.50±0.38	0.81±0.015
K	37.00±0.38	1.457±0.015
P1	29.96 Ref.	1.14 Ref.
P2	34.29 Ref.	1.35 Ref.



5 APPLICATION: ENERGY STORAGE FILTER, SWINGING CHOKE

4 BUILT TO RoHS COMPLIANCE .

3 MARK PART NUMBER AND REVISION WHERE SHOWN



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

WEIGHT: 534 GRAM (TYP)
MAX INDUCTOR TEMP RATING: 200°C
APPROPRIATE AIR FLOW.
RECOMMENDED AMBIENT 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 (TYP)
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

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				
AUTOCAD		X	Coil Winding Specialist, Inc. 353 W GROVE AVE ORANGE, CA 92665	
SOLIDWORKS				
SIGN		DATE	TITLE: High Current Helical Inductor 80 uH, 85 Amps, Horizontal	
DRAWN	AK	7/29/16		
DESIGD	JM	7/29/16		
ENGR.	JL	7/29/16		
APPR.	BO	7/29/16		
SIZE		DWG. NO.		REV
B		SEK55246-800M-85AH		A1
SCALE		NOT TO SCALE		SHEET 1 OF 1