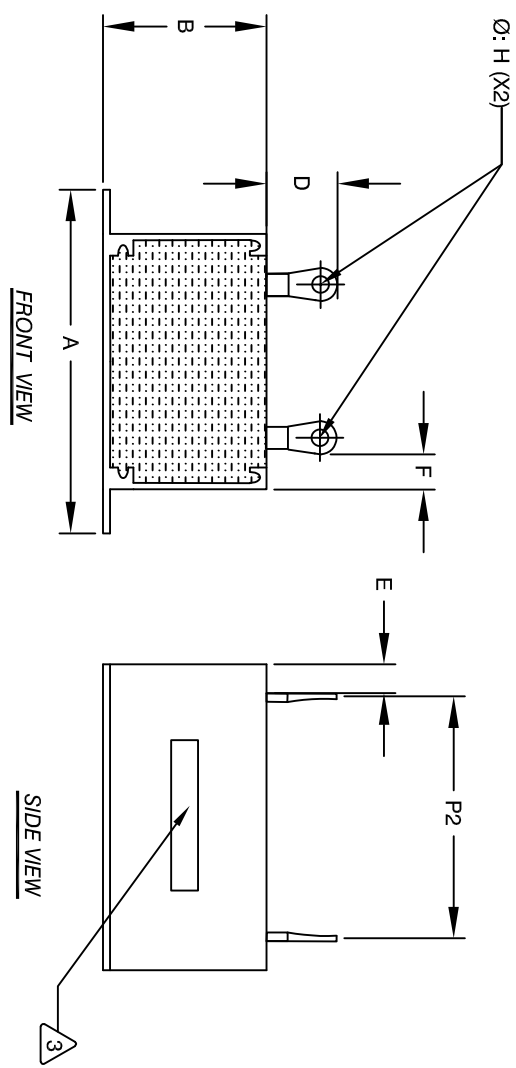


REVISION HISTORY		SIGN & DATE		
REV	ECN	DESCRIPTION	BY	DATE
A		PRODUCTION RELEASE	TN	03/07/25
			JL	03/07/25



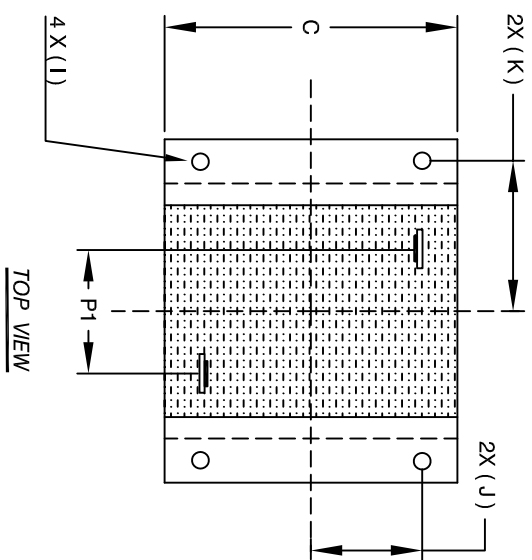
DIMENSIONS

Label	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	31.75 Ref.	1.25 Ref.
E	10.80 Ref.	0.425 Ref.
F	8.89 Ref.	0.35 Ref.
H	6.73±0.13	0.265±0.005
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.

DC BIAS TABLE

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

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



PARTS LIST

QTY	CODE	MFG. P/N	DESCRIPTION	ITEM NO.

- MATERIALS:

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

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.
 CAGE CODE: 5DME2

UNLESS OTHERWISE SPECIFIED

DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS]	
TOLERANCE INCHES: XXX±.010 .XX±.020 .XXX±.254 .XX±.51	ANGLE PROJECTION
DO NOT SCALE DRAWING	

AUTOCAD	SOLIDWORKS	DATE	DATE	DATE
		03/07/25	03/07/25	03/07/25

www.coilw.com
 sales@coilw.com
 Coil Winding Specialist, Inc.
 353 W GROVE AVE
 ORANGE, CA 92665

Encapsulated High Current Helical Inductor
 80 uH, 85 Amps, With Ring Lugs

SIZE [DIM. NO.]
A FEK55246-800M-85A-C

SCALE NOT TO SCALE

SHEET 1 OF 1