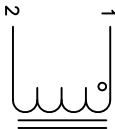


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SCHEMATIC

- 6 APPLICATION: ENERGY STORAGE FILTER, SWINGING CHOKE
- 5 BUILT TO ROHS COMPLIANCE AND LEAD FREE
- 4 VARNISH PART AND CURE

3 MARK PART NUMBER AND REVISION WHERE SHOWN

WEIGHT: 600 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 = 8.52pF TYP @ SRF
|Z| = 666 OHMS TYP @ SRF
SRF = 25.5 MHz TYPICAL
RATED CURRENT: 330 AMPS
DCR = 0.30 MILLI-OHM MAX.
L@DC BIAS: SEE TABLE ON THE RIGHT.
L = 4.5uH±15% @10 KHz, 0.25V, ZERO DC BIAS

2 SPECIFICATIONS @ 25°C:

ENCLOSURE: ALUMINUM METAL
EPOXYLITE AND VARNISH DOLPH
WIRE: 200°C RATED MAGNET WIRE UL APPROVED
CORE: POWDER CORE

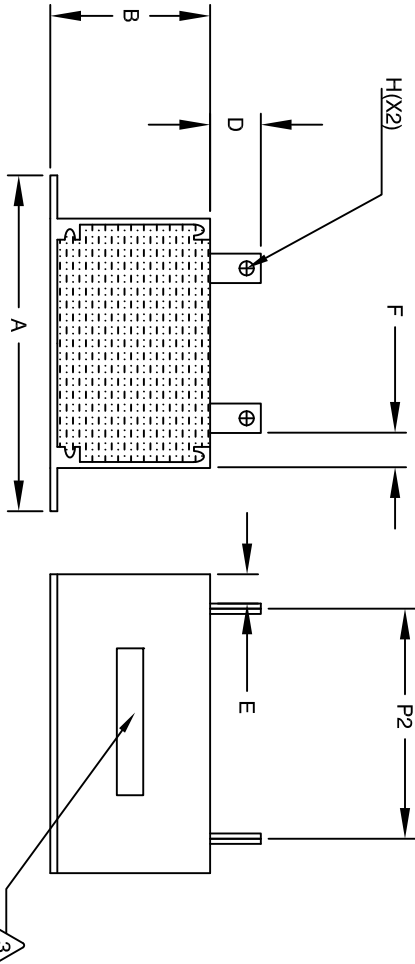
1 MATERIALS:

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.

"TYP" IN DIM. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

CAGE CODE: 5DME2

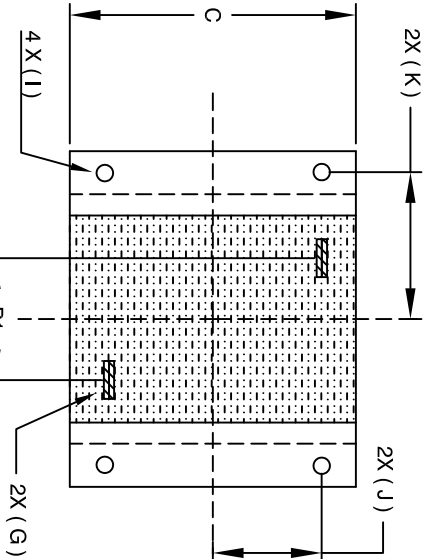


FRONT VIEW

SIDE VIEW

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	13.15 Ref.	0.52 Ref.	
F	11.30 Ref.	0.44 Ref.	
G	5.2x7.6 Ref.	0.20x0.30 Ref.	
H	2.72 Min.	0.11 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	27.60±1.00	1.09±0.04	
P2	29.50±1.00	1.16±0.04	

DC BIAS TABLE



TOP VIEW

UNLESS OTHERWISE SPECIFIED

DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND [DIMETERS].
TOLERANCE INCHES: .XXX±.010 .XX±.020
TOLERANCE METRCS: .XXX±.254 .XX±.51
ANGLE PROJECTION DO NOT SCALE DRAWING

REVISION HISTORY		SIGN & DATE	
REV	ECN	BY	DATE
A		TN	10/19/2020

DESCRIPTION

PRODUCTION RELEASE

DATE

DATE

PARTS LIST

QTY	CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

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

TITLE: High Current Helical Inductor
340 uH, 40 Amps, Horizontal

SIZE	DATE	NO.	REV
A	10/19/2020	1	A