

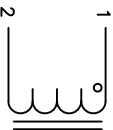
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DIMENSIONAL TOLERANCES INCHES [MM]											
A	B	C	D	E	F	G(X2) TYP	H(X2) TYP	I(X4) TYP	J TYP	K TYP	P1 TYP
4.56 [115.52]	2.93 [74.42]	3.20 [81.28]	1.00 [25.40]	0.49 [12.45]	0.67 [17.10]	0.16x0.51 [4.00x13.00]	0.27 [6.86]	0.20 [5.08]	1.15 [29.21]	1.98 [50.29]	1.49 [37.85]
P2 TYP	2.01 [51.05]										

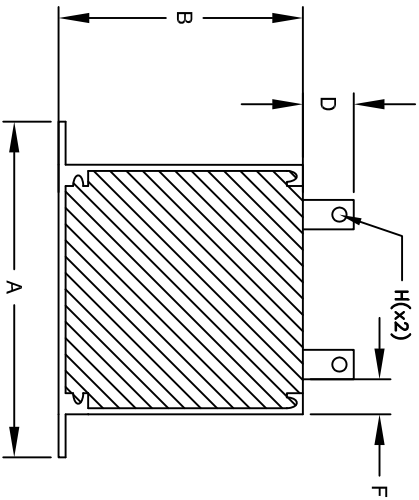
REVISION HISTORY			
REV	ECN	DESCRIPTION	SIGN & DATE
A		PRODUCTION RELEASE	BR DATE [CHK] DATE
B		REVISED P/N DESCRIPTION	TN 07/27/2020 JL 07/27/2020 TN 08/15/21 JL 08/15/21

DC BIAS TABLE

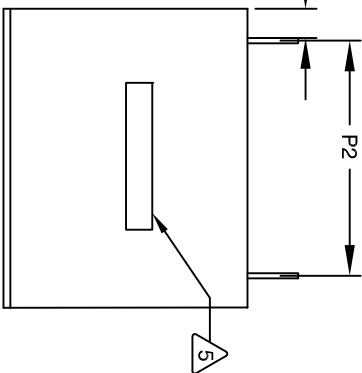
DC BIAS	L ① 10KHz (REF)
0A	40uH
10A	40uH
20A	39uH
40A	38uH
60A	36uH
80A	35uH
100A	33uH
140A	28uH
160A	26uH
180A	25uH
200A	23uH
240A	19uH
260A	18uH
280A	16uH
300A	15uH
320A	14uH
340A	13uH
360A	12uH
400A	10uH



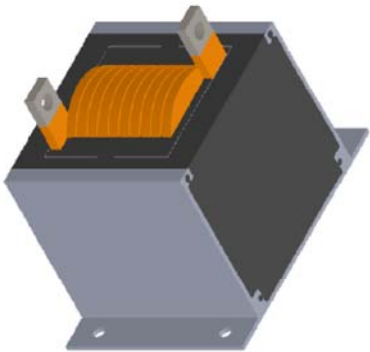
SCHEMATIC



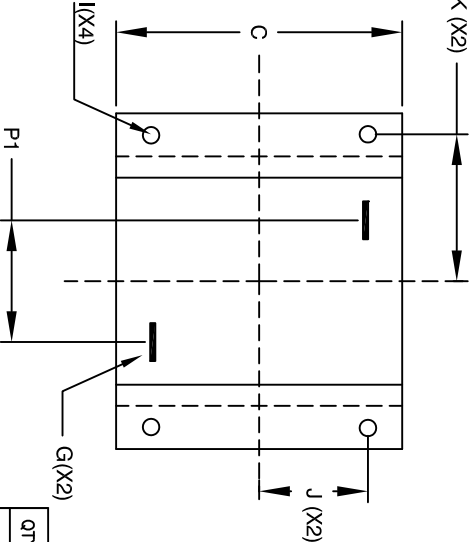
FRONT VIEW



SIDE VIEW



PICTURE



TOP VIEW

PARTS LIST

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

High Current Helical Inductor
40 uH, 400 Amps, Horizontal

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.
"TYP" IN DIM. TOL. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT
NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.
CAGE CODE: 5DME2

1. BUILT TO ROHS COMPLIANCE AND LEAD FREE.
2. MARK PART NUMBER, REVISION AND DATE
3. CONSTRUCTION
4. WEIGHT: 2200 GRAMS APPROX.
MAX INDUCTOR TEMP RATING: 200°C
RECOMMENDED OPERATING TEMP: -40°C TO 85°C
HI-POUT TEST FOR WINDING TO CORE ISOLATION: 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE = 9.8pF TYP @ SRF
|Z| = 4.3 KILLO-OHMS TYP @ SRF
SRF = 8.0 MHz TYP
RATED CURRENT: 400 AMPS WITH FORCED AIR FLOW
DCR = 0.8 MILLI-OHMS MAX.
DC BIAS: SEE TABLE ON THE RIGHT
L = 40uH ± 15%, MEASURED AT 10 KHz, 0.25V, ZERO DC BIAS
SPECIFICATIONS @ 25°C.
5. ENCLOSURE: ALUMINUM METAL
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: POWDERED CORE
INSULATION CLASS 200°C REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

SIZE	DWG. NO.	REV
A	ELCEK38A62-400M-400A	B

SCALE	SHEET	1 OF 1
NOT_TO_SCALE		