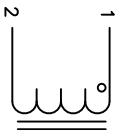


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DIMENSIONAL TOLERANCES INCHES [MM]											
A	B	C	D	E	F	G(X2) TYP	H(X2) TYP	I(X4) TYP	J TYP	K TYP	P1 TYP
4.56 [115.52]	2.93 [74.42]	3.20 [81.28]	1.00 [25.40]	0.49 [12.45]	0.67 [17.10]	0.16x0.51 [4.00x13.00]	0.27 [6.86]	0.20 [5.08]	1.15 [29.21]	1.98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

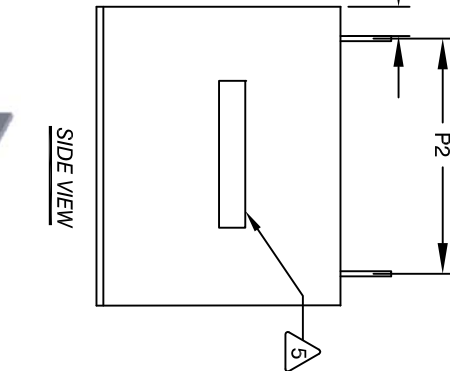
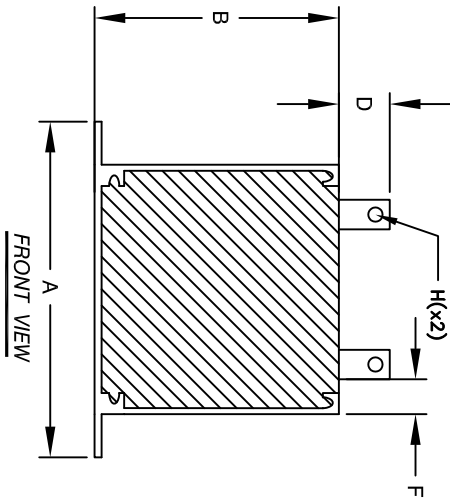
REVISION HISTORY			
REV	ECN	DESCRIPTION	SIGN & DATE
A		PRODUCTION RELEASE	TN 07/27/2020
B		REVISED P/N DESCRIPTION	TN 08/15/21 JL 07/27/2020



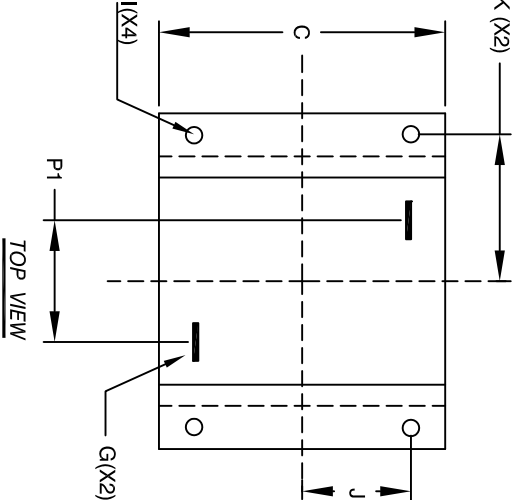
SCHEMATIC

- 6 BUILT TO ROHS COMPLIANCE AND LEAD FREE.
- 5 MARK PART NUMBER, REVISION AND DATE
- 4 CONSTRUCTION

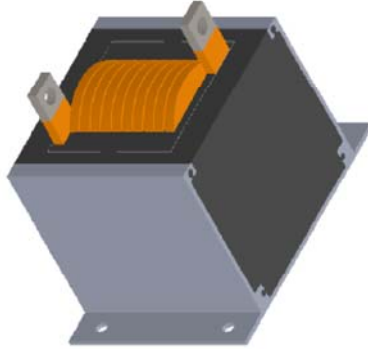
WEIGHT: 2200 GRAMS APPROX.
MAX INDUCTOR TEMP RATING: 200°C
RECOMMENDED OPERATING TEMP: -40°C TO 85°C
HI-POUT TEST FOR WINDING TO CORE ISOLATION: 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE = 12.65pF TYP @ SRF
|Z| = 6.7 KILLO-OHMS TYP @ SRF
SRF = 10MHz TYP
RATED CURRENT: 400 AMPS WITH FORCED AIR FLOW
DCR = 0.8 MILLI-OHMS MAX.
DC BIAS: SEE TABLE ON THE RIGHT
L = 20uH ± 15%, MEASURED AT 10 KHZ, 0.25V, ZERO DC BIAS
SPECIFICATIONS @ 25°C:



SIDE VIEW



TOP VIEW



PICTURE

DC BIAS TABLE			
DC BIAS	L (REF)		
0A	20uH		
10A	20uH		
20A	20uH		
40A	20uH		
60A	20uH		
80A	20uH		
100A	20uH		
140A	19uH		
160A	18uH		
180A	18uH		
200A	17uH		
240A	16uH		
260A	16uH		
280A	15uH		
300A	14uH		
320A	13uH		
340A	12uH		
360A	11uH		
400A	10uH		

ENCLOSURE: ALUMINUM METAL

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

2 CORE: POWDERED CORE

INSULATION CLASS 200°C REQUIRED

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

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

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				
AUTOCAD		X		
SOLIDWORKS				
SIGN		DATE		
DRAWN		TN 07/25/2020		
CHECKED		JM 07/27/2020		
ENGR.		JL 07/27/2020		
APPR.		JL 07/27/2020		
DO NOT SCALE DRAWING				
UNLESS OTHERWISE SPECIFIED				
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M				
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].				
TOLERANCE INCHES: .XX±.010 .XX±.020				
TOLERANCE METRICS: .XX±.254 .XX±.51				
ANGLE PROJECTION				
TITLE:				
High Current Helical Inductor				
20 uH, 400 Amps, Horizontal				
SIZE DIM. NO.				
A ELCEK38A22-200M-400A				
SCALE				
NOT_TO_SCALE				
SHEET 1 OF 1				