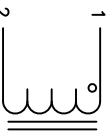


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DIMENSIONAL TOLERANCES INCHES (MM)

C1 TYP	C2 TYP	D1 TYP	D2 TYP	L MAX	W MAX	H MAX	G TYP	I TYP	J TYP	K1 TYP	K2 TYP
1.60 [40.51]	1.49 [37.80]	0.51 [13.00]	0.16 [4.00]	3.23 [82.00]	3.11 [79.00]	2.17 [55.00]	1.65 [42.00]	0.40 [10.16]	1.03 [26.16]	1.29 [32.87]	1.38 [34.93]



SCHEMATIC

7 BUILT TO ROHS COMPLIANCE AND LEAD FREE.

6 MARK PART NUMBER AND REVISION WHERE SHOWN

5 VARNISH PART AND CURE APPLY SILICONE WHERE SHOWN

WRAP GLASS TAPE AROUND CORES AND CORES WITH NOMEX PAPER. ASSEMBLE PRE FORMED FLAT HELICAL COIL CONSTRUCTION

4 WEIGHT: 1090 GRAMS TYP
MAX INDUCTOR TEMP RATING: 200°C
RECOMMENDED OPERATING TEMP: -40°C TO 85°C
HIPOT TEST FOR WINDING TO CORE ISOLATION: 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE = 124pF TYP @ SRF
|Z| = 4.7 KIL-OHMS TYP @ SRF
SRF = 17MHZ TYP
RATED CURRENT: 450 AMPS WITH FORCED AIR FLOW
DCR = 0.60 MILLI-OHMS MAX.
INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT
L = 12uH TYP, MEASURED AT 10 KHZ, 0.25V, ZERO DC BIAS SPECIFICATIONS @ 25°C:

3 VARNISH DOLPH or EQUAL
SILICONE DOW CORNING or EQUAL
NOMEX SHEETS FOR SIDES AND CENTER LEG OF CORES
OUTER WRAP: 3M GLASS TAPE OR EQUAL
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: COMPACTED POWDERED CORE

2 INSULATION CLASS K (200°C) REQUIRED MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

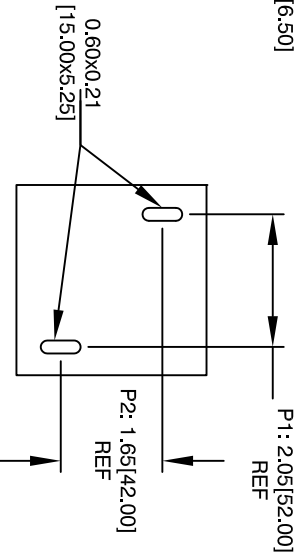
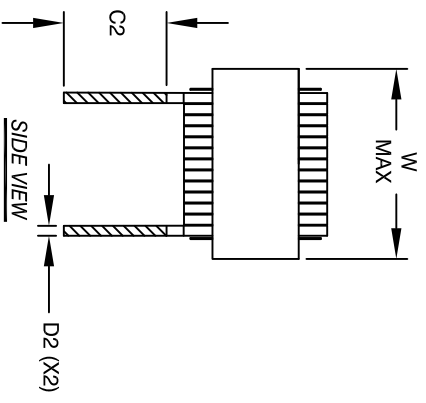
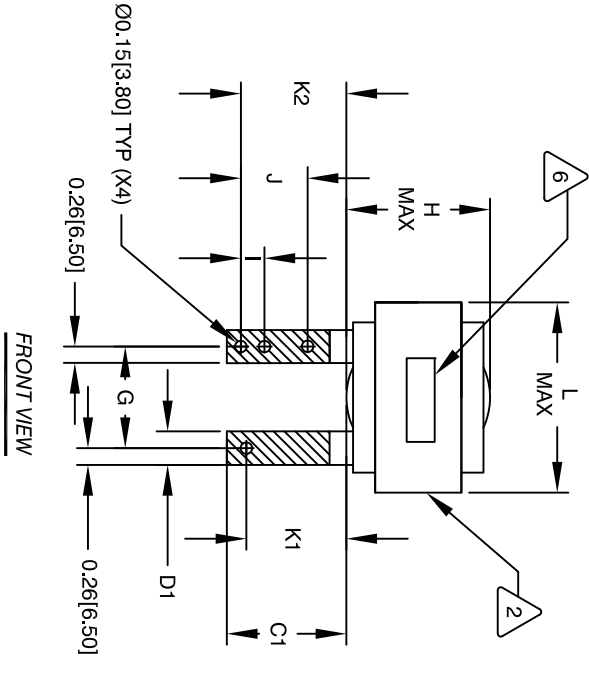
NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.
CAGE CODE: 5DME2

EP FORM0005 REV 3 10/01

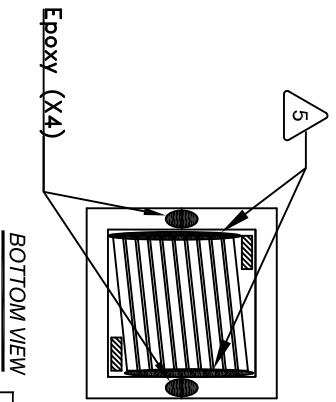
REVISION HISTORY			SIGN & DATE		
REV	ECN	DESCRIPTION	BY	DATE	CHK
A		PRODUCTION RELEASE	TN	01/14/2020	JL

DC BIAS TABLE

DC BIAS (AMP)	L (REF)
0	12uH
10	12uH
20	12uH
40	12uH
60	12uH
80	12uH
100	12uH
140	11uH
160	11uH
180	11uH
200	10uH
240	10uH
260	10uH
280	9uH
300	9uH
320	8uH
340	8uH
360	8uH
400	7uH
420	7uH
430	6uH
450	6uH



RECOMMENDED MOUNTING HOLES PATTERN (TOP VIEW)



BOTTOM VIEW

UNLESS OTHERWISE SPECIFIED		DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		TOLERANCE METRICS	
QTY	CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST					
1	TN	01/14/2020	www.coilws.com	Coil Winding Specialist, Inc.	
TITLE: Very High Current Inductor, Helical Coil 12uH, 450 Amps, Horizontal					
DRAWN: TN 01/14/2020					
CHECKED: JL 01/14/2020					
ENGR: JL 01/14/2020					
APPR: JL 01/14/2020					
SCALE: NOT TO SCALE					
SHEET 1 OF 1					

CAD-FILE: