

SCHEMATIC

7 BUILT TO ROHS COMPLIANCE AND LEAD FREE.

6 MARK PART NUMBER AND REVISION WHERE SHOWN

5 VARNISH PART AND CURE
APPLY ADHESIVE WHERE SHOWN

4 WRAP TAPE AROUND CORES
WITH CORES AND INSULATION SHEETS
ASSEMBLE PRE FORMED FLAT RECTANGULAR HELICAL COIL
CONSTRUCTION

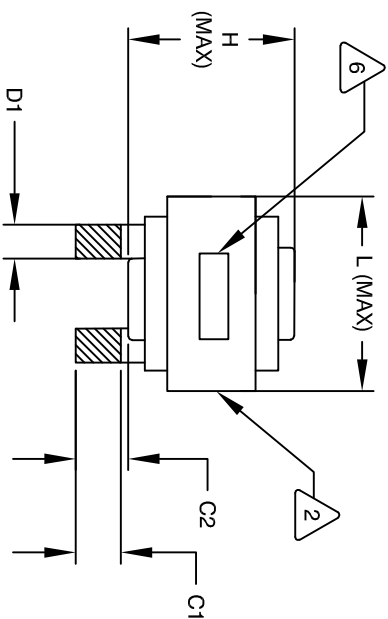
3 WEIGHT: 465 GRAMS TYP
MAX INDUCTOR TEMP RATING: 200°C
RECOMMENDED OPERATING TEMP: -40°C TO 85°C
HI-POT TEST FOR WINDING TO CORE ISOLATION, 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE = 114pF TYP @ SRF
|Z| = 30 KIL-OHMS TYP @ SRF
SRF = 3.05 MHz TYP
RATED CURRENT: 40 AMPS WITH FORCED AIR FLOW
DCR = 17 MILLI-OHMS MAX.
DC BIAS: SEE TABLE ON THE RIGHT.
L = 250 uH ± 15%, MEASURED AT 10 KHz, 0.25V, ZERO DC BIAS
SPECIFICATIONS @ 25°C:

2 USE APPROVED VARNISH
INSULATION SHEETS FOR SIDES AND CENTER LEG OF CORES
OUTER WRAP: APPROVED GLASS TAPE
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: COMPACTED POWDERED CORE

1 INSULATION CLASS 200°C REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

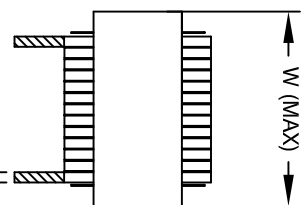
NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

CAGE CODE: 5DME2



FRONT VIEW

SIDE VIEW

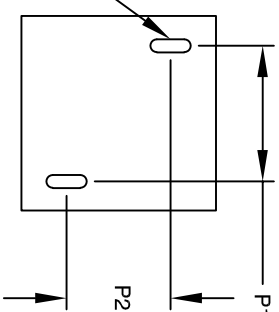


DIMENSIONAL TOLERANCE			
	mm	inch	
C1	12.00±1.00	0.47±0.04	
C2	13.00±1.00	0.51±0.04	
D1	7.00 (TYP)	0.30 (TYP)	
D2	0.70 (TYP)	0.03 (TYP)	
L	57.15 MAX	2.25 MAX	
W	57.15 MAX	2.25 MAX	
H	44.15 MAX	1.74 MAX	
P1	36.30±1.00	1.43±0.04	
P2	27.00±1.00	1.06±0.04	

DC BIAS TABLE

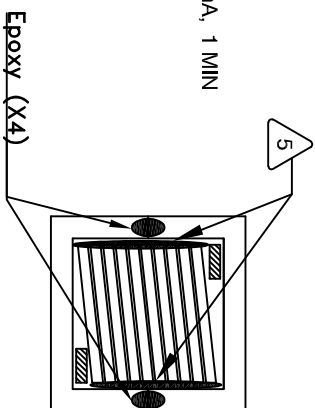
DC-BIAS	L
0A	253 uH
5A	242 uH
10A	228 uH
15A	210 uH
20A	190 uH
25A	168 uH
30A	150 uH
35A	132 uH
40A	116 uH

0.31X0.07
[8.00x1.70]



MOUNTING HOLES PATTERN

BOTTOM VIEW



QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				
AUTOCAD		X		
SOLIDWORKS				
SIGN		DATE		

UNLESS OTHERWISE SPECIFIED				
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M				
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS]:				
TOLERANCE INCHES:				
.XXX=±.010 .XX=±.020				
TOLERANCE METRICS:				
.XXX=±.254 .XX=±.51				
ANGLE PROJECTION				

UNLESS OTHERWISE SPECIFIED				
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M				
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS]:				
TOLERANCE INCHES:				
.XXX=±.010 .XX=±.020				
TOLERANCE METRICS:				
.XXX=±.254 .XX=±.51				
ANGLE PROJECTION				

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TOLERANCE INCHES:				
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ANGLE PROJECTION				