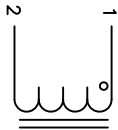


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SCHEMATIC

- 8 APPLICATION: OUTPUT CHOKE, HIGH DC-BIAS INDUCTOR, INPUT FILTER
- 7 BUILT TO ROHS COMPLIANCE AND LEAD FREE.

- 6 MARK PART NUMBER AND REVISION WHERE SHOWN

- 5 APPLY SILICON WHERE SHOWN
WRAP TAPE AROUND CORES
WITH CORES AND NOMEX SPACERS
ASSEMBLE PRE FORMED FLAT HELICAL COIL
- 4 CONSTRUCTION

WEIGHT: 487.8 GRAM (TYP)
MAX INDUCTOR TEMP RATING: 200°C
RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 85°C
HI-POT TEST FOR WINDING TO CORE ISOLATION. 1000VDC @ 2mA, 1 MIN
INTERWINDING CAPACITANCE @ 10KHZ = 19.06pF (TYP)
|z|@SFR=6.1 KILO-OHM (TYP)
SRF=2.0 MHZ (TYP)
RATED CURRENT: 40 AMPS
DCR = 14.5 MILLIOHM MAX.
L@DC BIAS: SEE TABLE ON RIGHT.
L = 340 uH ± 15%, MEASURED AT 10 KHz, 0.25V, ZERO DC BIAS
SPECIFICATIONS:

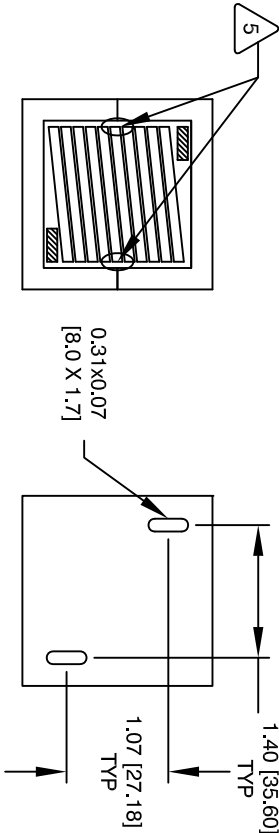
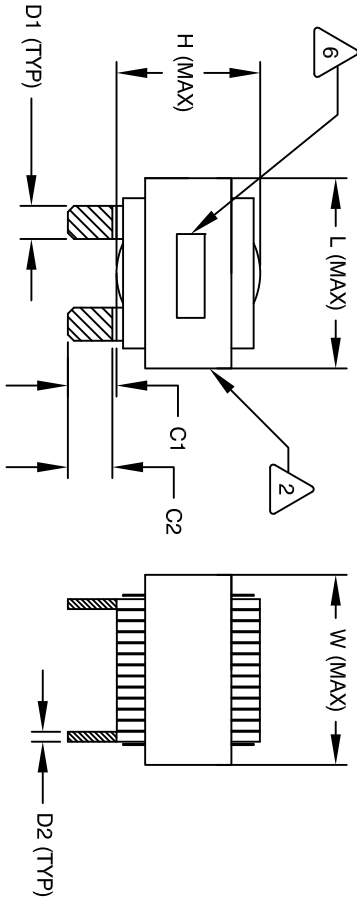
- 3 VANISH DOLPH or EQUAL
SILICON DOW CORNING OR EQUAL
NOMEX SPACERS FOR SIDE AND CENTER LEG OF CORES
OUTER WRAP: 3M GLASS OR EQUAL
WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: COMPACTED POWDERED CORE

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

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

REVISION HISTORY			
REV	ECN	DESCRIPTION	SIGN & DATE
B		CHANGE DCR VALUE	BR DATE CHK DATE
B1		UPDATE SPEC.	AK 1/16/12 GN 1/16/12
B2		UPDATED MOUNTING DIMENSION	TN 10/02/17 TN 10/02/17
			TN 04/13/21 TN 04/13/21

DIMENSIONAL TOLERANCE		
	mm	inch
C1	13.86±1.50	0.55 ± 0.06
C2	11.56±1.00	0.46 ± 0.04
D1	7.0 (TYP)	0.28 (TYP)
D2	0.7 (TYP)	0.03 (TYP)
L	58.0 MAX	2.29 MAX
W	58.0 MAX	2.29 MAX
H	35.0 MAX	1.37 MAX



DC-BIAS	L
0A	331.3uH
5A	331.4uH
10A	322.7uH
15A	307.2uH
20A	284.5uH
25A	253.6uH
30A	210uH
35A	182uH
40A	162uH

BOTTOM VIEW

MOUNTING HOLES PATTERN

QTY		CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST						
AUTOCAD		X		www.coliws.com 353 W GROVE AVE ORANGE, CA 92665 Coil Winding Specialist, Inc.		
SOLIDWORKS						
SIGN		DATE				
DRAWN	RL	2/11/11		TITLE: High Current Helical Inductor 340 uH, 40 Amps, Horizontal		
CHKD	JLJU	2/11/11				
ENGR	JLJU	2/11/11				
APPR	JLJU	2/11/11		SIZE Dwg. NO. B EKS5246-341M-40AH		
SCALE		NOT_TO_SCALE		SHEET 1 OF 1		REV B2
UNLESS OTHERWISE SPECIFIED						
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND [DIMETERS].						
TOLERANCE INCHES: .XXX=±.010 .XX=±.020 .X=±.030						
TOLERANCE METRICS: .XXX=±.254 .XX=±.51 .X=±.76						
ANGLE PROJECTION						
DO NOT SCALE DRAWING						