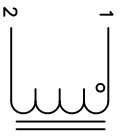


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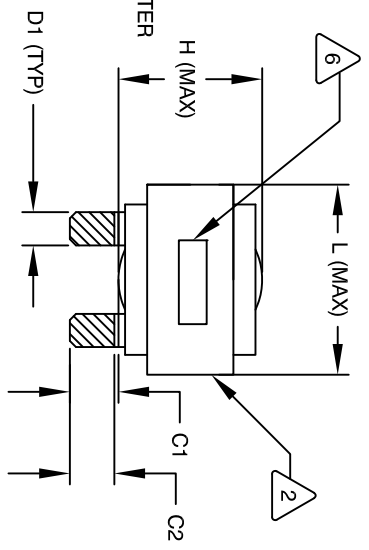
REVISION HISTORY

REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	RCL	6/22/11	JCL	3/21/11
B		CHANGE DCR VALUE	AK	1/16/12	SM	1/16/12
B1		UPDATE SPEC.	TN	10/02/17	TN	10/02/17

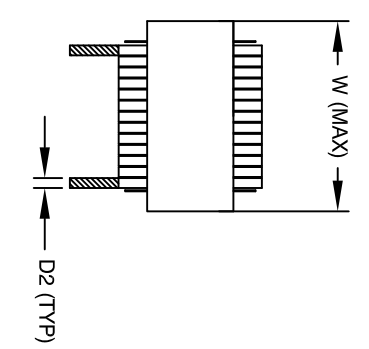


SCHEMATIC

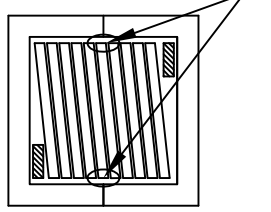
- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____



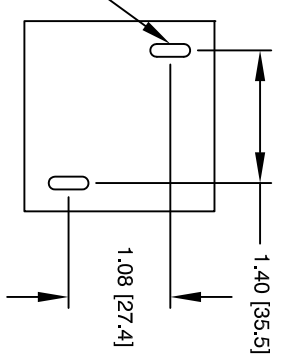
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



MOUNTING HOLES PATTERN

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

- 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 VANISH PART AND CURE
APPLY SILICON WHERE SHOWN
WRAP TAPE AROUND CORES
WITH CORES AND NOWEX 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|@SRF=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
NOWEX 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

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

CAGE CODE: 5DME2

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
			PARTS LIST	
			www.coilws.com sales@coilws.com	
			Coil Winding Specialist, Inc. 353 W. GROVE AVE ORANGE, CA 92665	
			TITLE: High Current Helical Inductor 340 uH, 40 Amps, Horizontal	
			SIZE Dwg. NO. EK55246-341M-40AH	
			SCALE NOT_TO_SCALE	
			SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND [DIMENSIONS].	
TOLERANCE INCHES: .XX±.010 .X±.020 .XXX±.254 .XX±.51	∠=±0°30'
TOLERANCE METRCS: .XX±.254 .X±.51	∠=±0°30'
ANGLE PROJECTION	
DO NOT SCALE DRAWING	

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
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			SHEET 1 OF 1	