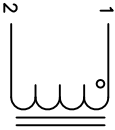
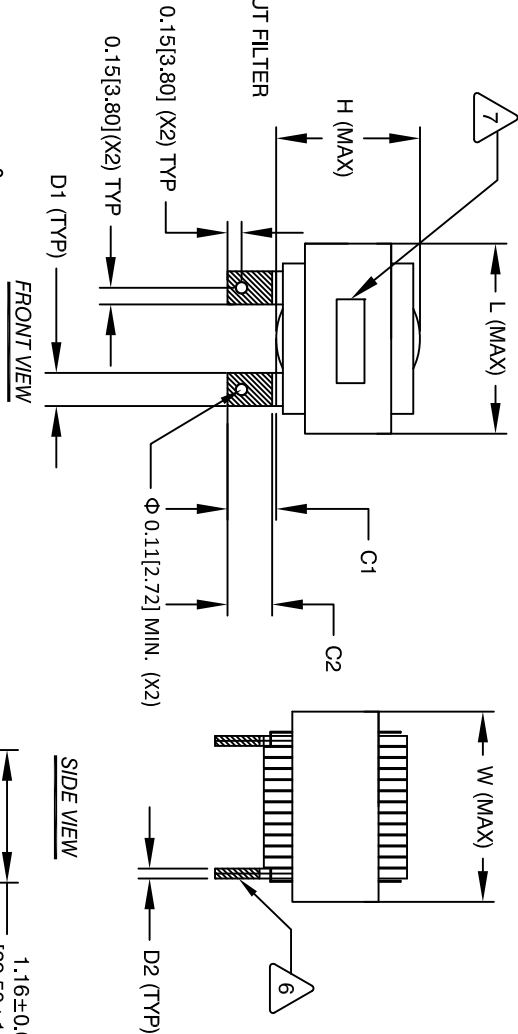


REVISION HISTORY			
REV	ECN	DESCRIPTION	SIGN & DATE
REV	ECN	DESCRIPTION	BY DATE CHK DATE
A		PRODUCTION RELEASE	TN 11/28/18 JL 11/28/18
A1		UPDATED DC BIAS TABLE	TN 09/03/2020 JL 09/03/2020
A2		UPDATED DC BIAS TABLE	TN 05/21/21 JL 05/21/21



SCHEMATIC



DIMENSIONAL TOLERANCE		
	mm	inch
C1	13.0±1.00	0.51±0.04
C2	12.0±0.50	0.47±0.02
D1	7.6 (TYP)	0.30 (TYP)
D2	5.2 (TYP)	0.20 (TYP)
L	56.0 MAX	2.20 MAX
W	57.0 MAX	2.24 MAX
H	36.0 MAX	1.41 MAX

DC BIAS TABLE		
DC-BIAS	L@10KHz (REF)	
0A	2.65uH	
60A	2.60uH	
100A	2.55uH	
140A	2.51uH	
180A	2.50uH	
220A	2.49uH	
260A	2.47uH	
300A	2.41uH	
330A	2.40uH	

- APPLICATION: OUTPUT CHOKE, HIGH DC-BIAS INDUCTOR, INPUT FILTER
- BUILT TO ROHS COMPLIANCE AND LEAD FREE
- MARK PART NUMBER AND REVISION WHERE SHOWN
- LEADS MUST BE TINNED ALL SIDES AND TOGETHER
- VARNISH PART AND CURE
APPLY SILICONE WHERE SHOWN
WRAP TAPE AROUND CORES
WITH CORES AND MYLAR SHEETS
ASSEMBLE PRE FORMED FLAT HELICAL COIL
CONSTRUCTION
- WEIGHT: 476 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 = 7.96pF TYP @ SRF
|Z| = 870 OHMS TYP @ SRF
SRF = 33.7 MHz TYP
RATED CURRENT: 330 AMPS WITH FORCED AIR FLOW
DCR = 0.3 MILLIOHM MAX.
INDUCTOR DC BIAS: SEE TABLE ON RIGHT
L = 2.5 uH ± 15%, MEASURED AT 10 KHz, 0.25V, ZERO DC BIAS
SPECIFICATIONS @ 25°C:

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

- 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				
AUTOCAD		X		
SOLIDWORKS		DATE		
SIGN		DATE		
DRAWN	TN	11/28/18		
CHECKED	JL	11/28/18		
ENGR.	JL	11/28/18		
APPR.	JL	11/28/18		
			SIZE	DATE
			B	11/28/18
			SCALE	NOT TO SCALE
			SHEET	1 OF 1

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

DO NOT SCALE DRAWING

www.coilw.com

sales@coilw.com

Coil Winding Specialist, Inc.

353 W GROVE AVE

ORANGE, CA 92665

High Current Helical Inductor

2.5 uH, 330 Amps, Horizontal