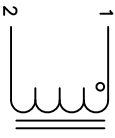
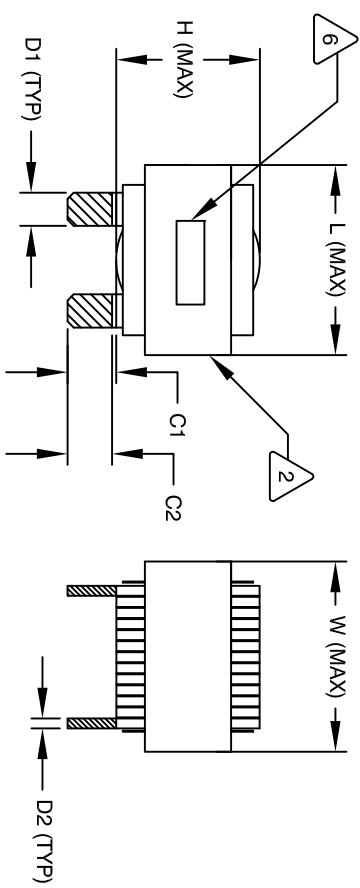


REVISION HISTORY

REV	ECN	DESCRIPTION	BR	CHK	DATE	DATE
A		PRODUCTION RELEASE	RL	JCL	2/13/11	
B		REVISED DIMENSIONAL TOLERANCE	TR	JL	09/06/18	09/06/18



SCHEMATIC



DIMENSIONAL TOLERANCE

	mm	inch
C1	13±1.50	0.51± 0.06
C2	12±1.50	0.47± 0.06
D1	7.60 (TYP)	0.30 (TYP)
D2	2.60 (TYP)	0.10 (TYP)
L	57.0 MAX	2.25 MAX
W	57.0 MAX	2.25 MAX
H	37.0 MAX	1.46 MAX
P1	27.60 TYP	1.09 TYP
P2	34.40 TYP	1.35 TYP

- BUILT TO ROHS COMPLIANCE AND LEAD FREE.
- MARK PART NUMBER AND REVISION WHERE SHOWN
- VANISH PART AND CURE
APPLY SILICON WHERE SHOWN
- WRAP TAPE AROUND CORES WITH CORES AND NOMEX SPACERS ASSEMBLE PRE FORMED FLAT HELICAL COIL
CONSTRUCTION
WEIGHT: 432 GRAM (TYP)
MAX INDUCTOR TEMP RATING: 200°C
RECOMMENDED OPERATING TEMP: -40°C TO 85°C AT 55°C AMBIENT
HI-POT TEST FOR WINDING TO CORE ISOLATION. 1000VDC @ 2mA, 1 MIN INTERWINDING CAPACITANCE @ 10KHZ = 22PF (TYP)
|z|@SRF=3.5 KILO-OHM (TYP)
SRF = 6.9 MHz (TYP)
RATED CURRENT: 160 AMPS
DCR = 1.10 MILLI-OHM MAX
L = 22uH (TYP) AT 25 AMPS DC BIAS
L@DC BIAS: SEE TABLE ON RIGHT.
L = 28H ± 15%, MEASURED AT 10 KHZ, 0.25V, ZERO DC BIAS
Q = 70(TYP)
- SPECIFICATIONS:

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

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

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 28 uH, 160 Amps, Horizontal	
			SIZE Dwg. NO.: ES55206-280M-160AH	
			SCALE: NOT TO SCALE	
			SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND DIMETERS).
TOLERANCE INCHES:
.XXX±.010 .XX±.020
TOLERANCE METRICS:
.XXX±.254 .XX±.51
ANGLE PROJECTION

DO NOT SCALE DRAWING