

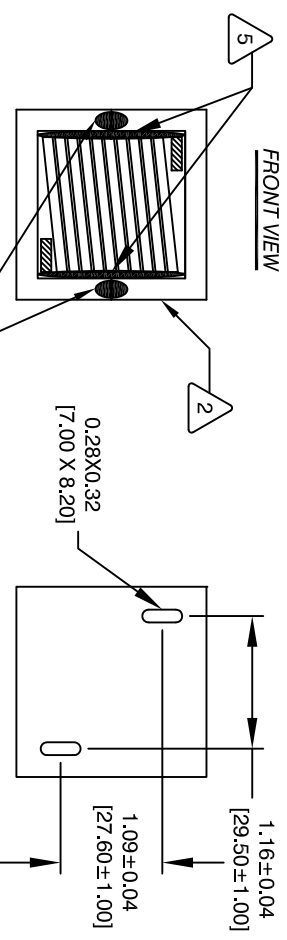
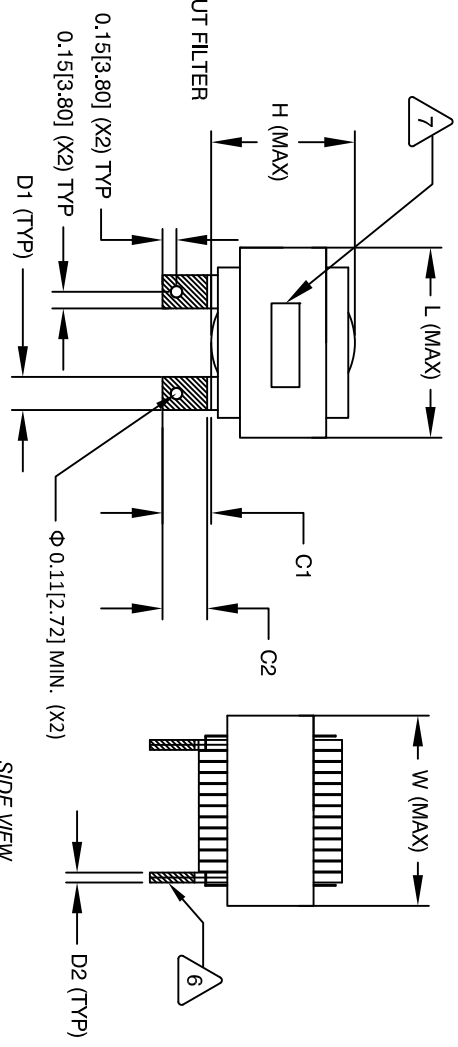
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REVISION HISTORY

REV	ECN	DESCRIPTION	DATE
A		PRODUCTION RELEASE	01/23/19

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	56.00 MAX	2.20 MAX
W	57.0 MAX	2.24 MAX
H	36.0 MAX	1.41 MAX



MOUNTING HOLES PATTERN

300A	1.45uH
280A	1.56uH
260A	1.60uH
240A	1.67uH
220A	1.71uH
200A	1.73uH
180A	1.78uH
160A	1.87uH
140A	1.90uH
120A	1.92uH
100A	2.07uH
80A	2.12uH
60A	2.16uH
40A	2.20uH
20A	2.23uH
10A	2.24uH
0A	2.26uH

- 1 APPLICATION: OUTPUT CHOKE, HIGH DC-BIAS INDUCTOR, INPUT FILTER
- 2 BUILT TO ROHS COMPLIANCE AND LEAD FREE
- 3 MARK PART NUMBER AND REVISION WHERE SHOWN
- 4 LEADS MUST BE TINNED ALL SIDES AND TOGETHER
- 5 VARNISH PART AND CURE  
APPLY SILICONE WHERE SHOWN  
WRAP TAPE AROUND CORES  
WITH CORES AND MYLAR SHEETS  
ASSEMBLE PRE FORMED FLAT HELICAL COIL  
CONSTRUCTION
- 6 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 = 12.4pF TYP @ SRF  
|Z| = 1.63 KILO-OHMS TYP @ SRF  
SRF = 30.7 MHZ TYP  
RATED CURRENT: 300 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:
- 7 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
- 8 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.
			<b>PARTS LIST</b>	
			www.coilws.com	
			353 W. GROVE AVE	
			ORANGE, CA 92665	
			Coil Winding Specialist, Inc.	
			High Current Helical Inductor	
			2.5 uH, 300 Amps, Horizontal	
			SIZE Dwg. No.	
			B ES55202-2R5M-300AH	
			SCALE NOT TO SCALE	
			SHEET 1 OF 1	