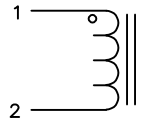
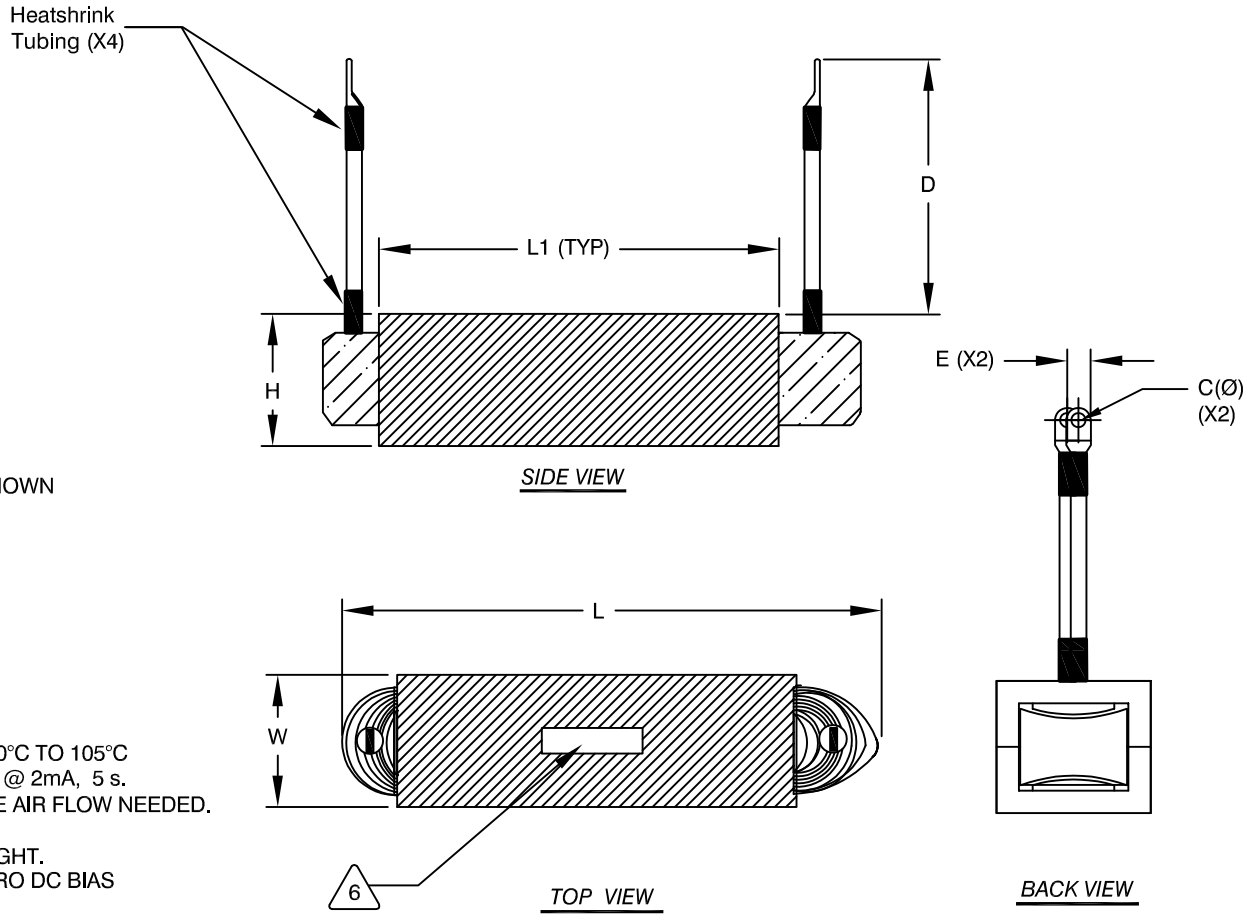
DIMENSIONAL TOLERANCE IN[MM]						
C (Ø) (TYP)	D (TYP)	E (TYP)	L1 (TYP)	L (TYP)	W (MAX)	H (TYP)
0.53 [13.46]	11.00 [279.40]	0.92 [23.37]	6.00 [152.40]	8.00 [203.20]	3.20 [81.28]	3.06 [77.72]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		DRAWING RELEASE	TN	05/22/26	JL	05/22/26



SCHEMATIC



SIDE VIEW

TOP VIEW

BACK VIEW

DC BIAS TABLE

DC-BIAS	L@1KHz (REF)
0A	112uH
10A	110uH
20A	108uH
30A	106uH
40A	105uH
50A	103uH
60A	101uH
70A	98uH
80A	97uH
90A	94uH
100A	92uH

7 BUILT TO RoHS COMPLIANCE

6 LABEL PART NUMBER AND REVISION WHERE SHOWN

5 VARNISH PART AND CURE

WRAP TAPE AROUND CORES
WITH CORES AND INSULATOR
PRE FORMED FLAT COPPER SHEETS

4 CONSTRUCTION:

WEIGHT: APPROX. 13 LBs.
RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 105°C
HI-POT TEST FROM WINDING TO CORE 1000VDC @ 2mA, 5 s.
RATED CURRENT: 150 AMPS NOM, APPROPRIATE AIR FLOW NEEDED.
DCR = 3 MILLI-OHMS TYPICAL
INDUCTANCE @ DC BIAS: SEE TABLE ON THE RIGHT.
L = 100uH NOM. MEASURED AT 1 KHz, 0.25V, ZERO DC BIAS

3 SPECIFICATIONS @ 25°C:

VARNISH: UL APPROVAL MATERIAL
SILICONE DOW CORNING OR EQUAL
OUTER WRAP: 3M GLASS OR EQUAL

2 CORE: CWS PROPRIETARY E-CORE

1 MATERIAL: UL RECOGNIZED

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP.

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.
"TYP" IN DIM. TOL. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

CAGE CODE: 5DME2

AUTOCAD	X	www.coilws.com sales@coilws.com	Coil Winding Specialist, Inc. 353 W GROVE AVE ORANGE, CA 92865
SOLIDWORKS			
UNLESS OTHERWISE SPECIFIED	SIGN	DATE	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS]. TOLERANCE INCHES: .XXX=±.010 .XX=±.020 ∠=±0°30' TOLERANCE METRICS: .XXX=±.254 .XX=±.51 ∠=±0°30' ANGLE PROJECTION DO NOT SCALE DRAWING	DRAWN TN	05/22/26	TITLE: High Current Line Inductor 100 uH, 150 Amps
	CHECKED JM	05/22/26	
	ENGR. JL	05/22/26	
	APPR. JL	05/22/26	
			SIZE DWG. NO. CWS-1EE-13252 REV A
			SCALE NOT_TO_SCALE SHEET 1 OF 1

CAD-FILE: