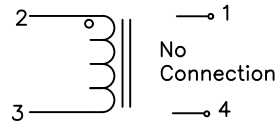
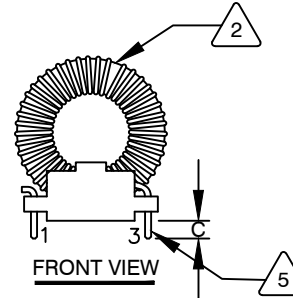


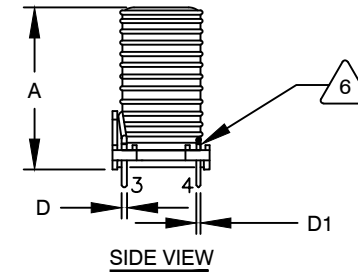
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SCHEMATIC



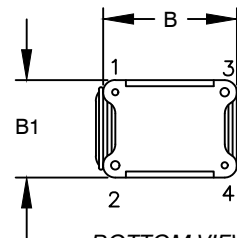
FRONT VIEW



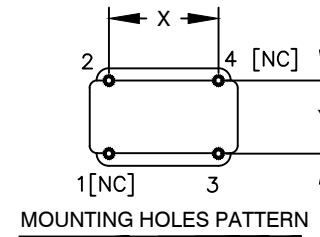
SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	149.4uH
1	144.7uH
2	139.5uH
3	129.3uH
4	117.4uH



BOTTOM VIEW



MOUNTING HOLES PATTERN

NC = NO CONNECTION

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD

MARK PART NUMBER AND REVISION, IF APPLICABLE,

EPOXY COIL TO HEADER

5 REMOVE INSULATION AND TIN LEADS 0.21 INCH, FLUSH WITH THE HEADER EDGE, AS SHOWN

4 CONSTRUCTION: WIND COILS EVENLY SPACED AROUND THE CORE

WEIGHT: 45 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 36.59 pF TYP @ SRF

SRF = 2.22 MHz TYPICAL

|Z| = 5.39 KILO-OHMS TYP @ SRF

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 130°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC 10 SEC

CURRENT RATING : 3.8 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 36.3 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 149 uH±15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS: @ 25° C

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

CORE: HIGH POWDERED TOROIDAL CORE, CWS BYTEMARK OR OTHER APPROVED PART

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS F (180°C MIN.) REQUIRED

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.

"TYP" IN DIM. TOL. REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.

CAGE CODE: 5DME2

**DIMENSIONAL TOLERANCES
INCHES [MM]**

A MAX	B MAX	B1 MAX	C MIN	D REF	D1 REF	X REF	Y REF
1.41 [35.60]	1.10 [27.94]	0.80 [20.32]	0.21 [5.30]	0.04 [1.02]	0.05 [1.29]	0.90 [22.86]	0.60 [15.24]

REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	RLU	02/11/2005	JLAU	02/11/2005
A1	—	UPDATED SPECS.	JZ	03/18/2021	JL	03/18/2021

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].	
TOLERANCE INCHES:	
.XXX±.005 .XX±.015 <∠=±0°30'	
TOLERANCE METRICS:	
.XXX±.127 .XX±.38 <∠=±0°30'	
ANGLE PROJECTION	
DO NOT SCALE DRAWING	

CODE IDENT		MFG. P/N		DESCRIPTION		ITEM NO.	
PARTS LIST							
AUTOCAD		X		COILWS COM, INC www.coilws.com CWS Coil Winding Specialist. 353 WEST GROVE ORANGE, CA 92865			
SOLIDWORKS							
SIGN		DATE		TITLE: OUTPUT CHOKE 149 uH, 3.8 Amps, Horizontal			
DRAWN		RLU 02/11/2005					
CHECKED		JLAU 02/11/2005					
ENGR.		JLAU 02/11/2005					
APPR.		KKSUM 02/11/2005					
		SIZE		DWG. NO.		REV	
		B		OPC-2-149-3.8		A1	
		SCALE		2=1		SHEET 1 OF 1	