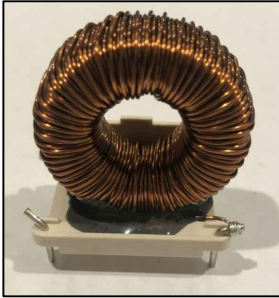
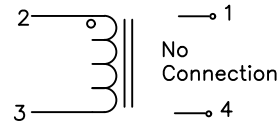


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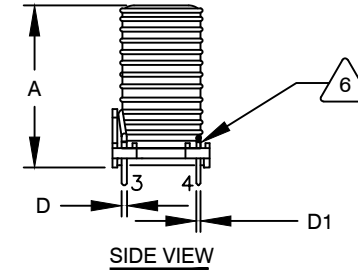
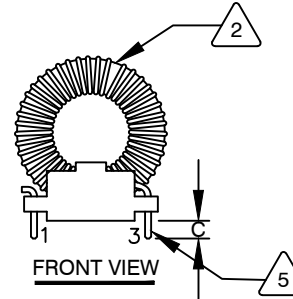


DIMENSIONAL TOLERANCES INCHES [MM]							
A MAX	B MAX	B1 MAX	C MIN	D REF	D1 REF	X REF	Y REF
1.58 [40.00]	1.40 [35.56]	0.90 [22.86]	0.21 [5.30]	0.025 [0.635]	0.05 [1.27]	1.20 [30.48]	0.70 [17.78]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	RLU	04/25/2005	JLAU	04/25/2005
A1	—	UPDATED SPECS.	JZ	03/03/2021	JL	03/03/2021



SCHEMATIC



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0.0	5.00mH
1.0	1.40mH
1.5	9.98mH

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION, IF APPLICABLE,
EPOXY COIL TO HEADER



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: 70 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 113.2 pF TYP @ SRF
SRF = 212.7 kHz TYPICAL
|Z| = 83.55 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 : 1.5 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW
DCR = 530.0 MILLI-OHMS MAX.
INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT
INDUCTANCE = 5000 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 BYTE MARK OR OTHER APPROVED PART

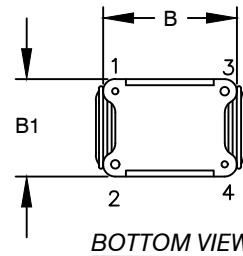
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS F (180°C MIN.) REQUIRED

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

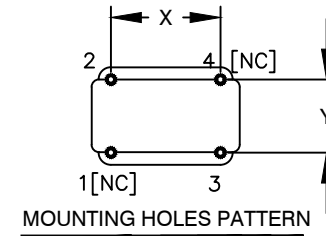
"TYP" IN DIM. TOL. REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

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

CAGE CODE: 5DME2



BOTTOM VIEW



MOUNTING HOLES PATTERN

NC = NO CONNECTION

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].	
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 <1/16=±0.030	
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 <4=±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 5000 uH, 1.5 Amps, Horizontal			
DRAWN		RLU 04/25/2005					
CHECKED		JLAU 04/25/2005					
ENGR.		JLAU 04/25/2005					
APPR.		KKSUM 04/25/2005					
		SIZE B		DWG. NO. OPC-3-5000-1.5H		REV A1	
		SCALE 2=1		SHEET 1		OF 1	