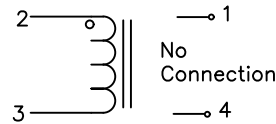


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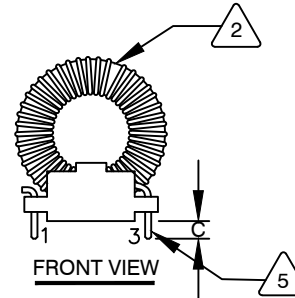


DIMENSIONAL TOLERANCES INCHES [MM]							
A MAX	B MAX	B1 MAX	C MIN	D REF	D1 REF	X REF	Y REF
1.58 [40.00]	1.40 [35.56]	0.90 [22.86]	0.21 [5.30]	0.06 [1.63]	0.05 [1.27]	1.20 [30.48]	0.70 [17.78]

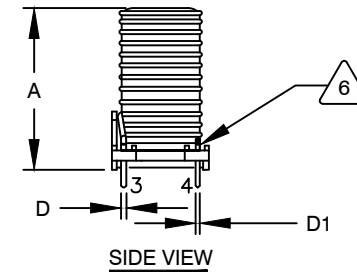
REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	CHK DATE
A	—	INITIAL RELEASE	RLU	04/25/2005	JLAU 04/25/2005
A1	—	UPDATED SPECS.	JZ	02/22/2020	JL 02/22/2020



SCHEMATIC



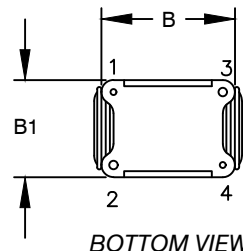
FRONT VIEW



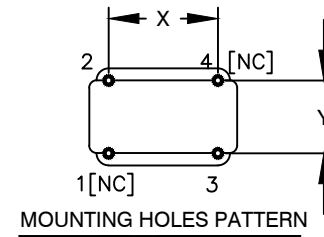
SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	124.6uH
5	116.3uH
10	100.4uH
15	80.3uH



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: 71 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 6.24 pF TYP @ SRF

SRF = 5.80 MHz TYPICAL

|Z| = 6.32 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 : 15 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 14.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 120 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

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].	
TOLERANCE INCHES:	
.XXX = ±.005 .XX = ±.015 <1 = ±0°30'	
TOLERANCE METRICS:	
.XXX = ±.127 .XX = ±.38 <1 = ±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 120 uH, 15 Amps, Horizontal			
DRAWN		RLU 04/25/2005					
CHECKED		JLAU 04/25/2005					
ENGR.		JLAU 04/25/2005					
APPR.		KKSUM 04/25/2005					
				SIZE DWG. NO.		REV	
		B		OPC-3-120-15H		A1	
		SCALE		2=1		SHEET 1 OF 1	