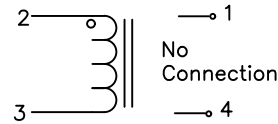


The information contained in this drawing is the sole property of CWS Coil Winding Specialist.
Any reproduction in part or whole without written permission of CWS Coil Winding Specialist is prohibited.

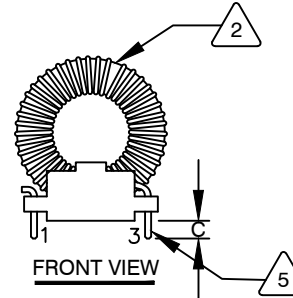


DIMENSIONAL TOLERANCES INCHES [MM]							
A MAX	B MAX	B1 MAX	C MIN	D REF	D1 REF	X REF	Y REF
1.58 [40.00]	1.40 [35.56]	0.90 [22.86]	0.21 [5.30]	0.05 [1.29]	0.05 [1.27]	1.20 [30.48]	0.70 [17.78]

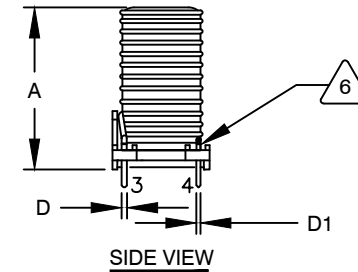
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	RLU	04/27/2005	JLAU	04/27/2005
A1		UPDATED SPECS.	JZ	03/03/2021	JL	03/03/2021



SCHEMATIC



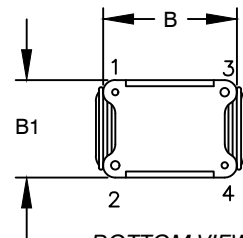
FRONT VIEW



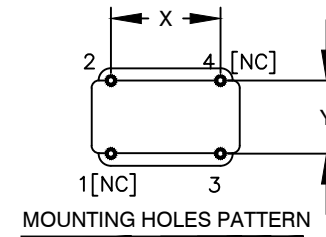
SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	135.8uH
2	131.4uH
4	114.2uH
6	97.11uH



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: 64 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 11.00 pF TYP @ SRF

SRF = 4.05 KHz TYPICAL

|Z| = 6.57 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 : 6 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 28.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 138 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 <X=±0°30'	
TOLERANCE METRICS:	
.XXX±.127 .XX±.38 <X=±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 138 uH, 6 Amps, Horizontal			
DRAWN		RLU 04/27/2005					
CHECKED		JLAU 04/27/2005					
ENGR.		JLAU 04/27/2005					
APPR.		KKSUM 04/27/2005					
		SIZE		DWG. NO.		REV	
		B		OPC-3-138-6		A1	
		SCALE		2=1		SHEET 1 OF 1	