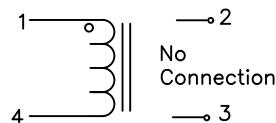


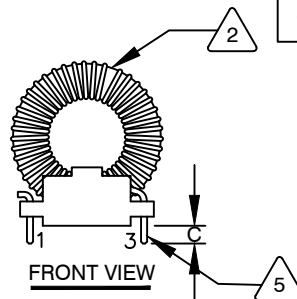
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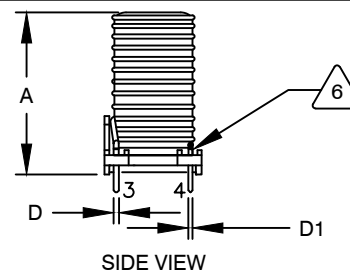
DIMENSIONAL TOLERANCES INCHES [MM]							
A MAX	B MAX	B1 MAX	C MIN	D REF	D1 REF	X REF	Y REF
1.58 [40.00]	1.40 [35.56]	0.90 [22.86]	0.21 [5.30]	0.08 [2.06]	0.05 [1.27]	1.20 [30.48]	0.70 [17.78]



SCHEMATIC



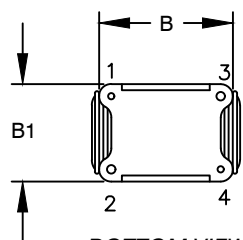
FRONT VIEW



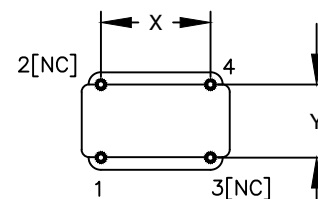
SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	52uH
5	50uH
10	46uH
15	41uH
20	36uH



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: 73 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 3.98 pF TYP @ SRF

SRF = 10 MHz TYPICAL

|Z| = 3.7 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 : 20 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 5.5 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 50 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 <1/16 ± 0.030	
TOLERANCE METRICS:	
.XXX ± .127 .XX ± .38 <1/16 ± 0.30	
ANGLE PROJECTION	
DO NOT SCALE DRAWING	

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	RLU	04/25/2005	JLAU	04/25/2005
B	—	INITIAL RELEASE	RLU	04/25/2005	JLAU	04/25/2005
C	—	ELECT. AND MECHAN. SPECS CHANGE	GN	08/31/2012	JLAU	08/31/2012
C1	—	UPDATED SPECS.	JZ	11/10/2020	JL	11/10/2020

CODE IDENT		MFG. P/N		DESCRIPTION		ITEM NO.	
PARTS LIST							
AUTOCAD		X		COILWS COM, INC		CWS Coil Winding Specialist.	
SOLIDWORKS							
SIGN		DATE		www.coilws.com		353 WEST GROVE ORANGE, CA 92865	
DRAWN		RLU 04/25/2005		TITLE: OUTPUT CHOKE 50 uH, 20 Amps, Horizontal			
CHECKED		JLAU 04/25/2005					
ENGR.		JLAU 04/25/2005					
APPR.		KKSUM 04/25/2005		SIZE DWG. NO.		REV	
				B OPC-3-50-20H		C1	
				SCALE 2=1		SHEET 1 OF 1	