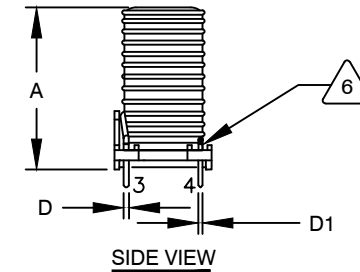
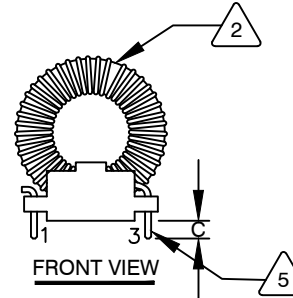
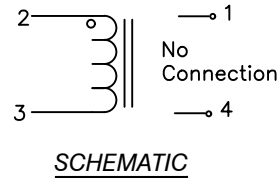


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DIMENSIONAL TOLERANCES INCHES [MM]							
A MAX	B MAX	B1 MAX	C MIN	D REF	D1 REF	X REF	Y REF
1.41 [35.60]	1.10 [27.94]	0.80 [20.32]	0.21 [5.30]	0.05 [1.29]	0.05 [1.29]	0.90 [22.86]	0.60 [15.24]

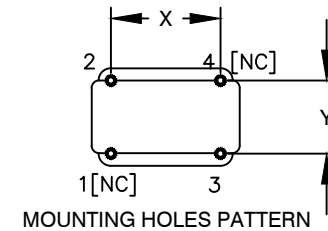
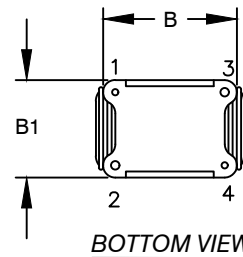
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	RLU	07/18/2006	JLAU	07/18/2006
A1	—	UPDATED SPECS.	JZ	09/27/2020	JL	09/27/2020



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0.0	45uH
1.0	44uH
2.0	44uH
4.0	41uH
6.0	37uH
8.2	32uH

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: 42.5 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 180 pF TYP @ SRF

SRF = 10 MHz TYPICAL

|Z| = 2.8 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 : 8.2 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 13.2 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 47 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 ± .030	
TOLERANCE METRICS:	
.XXX ± .127 .XX ± .38 < .1 ± .030	
ANGLE PROJECTION	
DO NOT SCALE DRAWING	

CODE IDENT		MFG. P/N		DESCRIPTION		ITEM NO.	
PARTS LIST							
AUTOCAD		X		COILWS COM, INC www.coilws.com			
SOLIDWORKS							
SIGN		DATE		CWS Coil Winding Specialist. 353 WEST GROVE ORANGE, CA 92865			
DRAWN		RLU 07/18/2006		TITLE: OUTPUT CHOKE 47 uH, 8.2 Amps, Horizontal			
CHECKED		JLAU 07/18/2006					
ENGR.		JLAU 07/18/2006					
APPR.		KKSUM 07/18/2006		SIZE DWG. NO.		REV	
				B OPC-2-47-8.2		A1	
				SCALE 2=1		SHEET 1 OF 1	