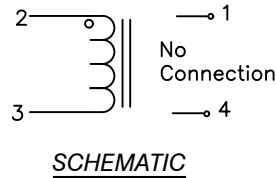
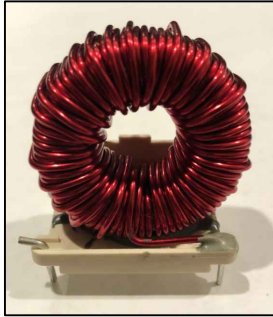


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DIMENSIONAL TOLERANCES INCHES [MM]

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]	0.04 [1.14]	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	11/10/2020	JL	11/10/2020

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: 80 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 72.68 pF TYP @ SRF
SRF = 735 kHz TYPICAL
|Z| = 20.99 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 : 2.4 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW
DCR = 77.0 MILLI-OHMS MAX.
INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT
INDUCTANCE = 695 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

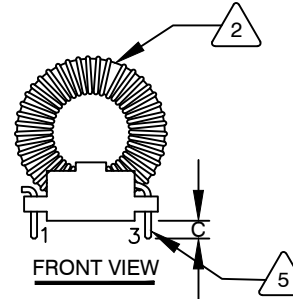
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS F (180°C MIN.) REQUIRED

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

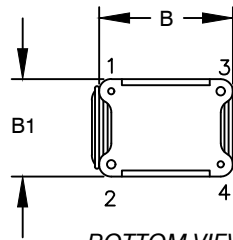
"TYP" IN DIM. TOL. REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

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

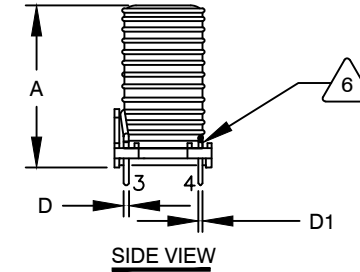
CAGE CODE: 5DME2



FRONT VIEW



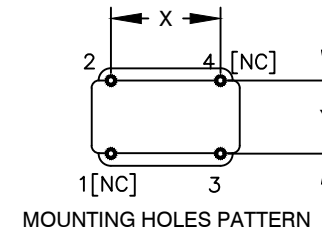
BOTTOM VIEW



SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0.0	677uH
0.4	664uH
1.0	615uH
2.2	532uH
2.4	481uH



MOUNTING HOLES PATTERN

NC = NO CONNECTION

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 695 uH, 2.4 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-3-695-2.4		A1	
		SCALE		2=1		SHEET 1 OF 1	

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	