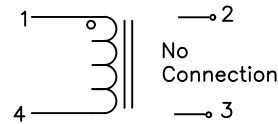


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SCHEMATIC

**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 [1.02]	0.05 [1.27]	1.20 [30.48]	0.70 [17.78]

REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
B	—	INITIAL RELEASE	RLU	07/13/2006	JLAU	07/13/2006
B1		UPDATED SPECS.	JZ	03/03/2021	JL	03/03/2021

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: 73 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 76.85 pF TYP @ SRF

SRF = 10 MHz TYPICAL

|Z| = 241 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 : 4 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 104.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 1200 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

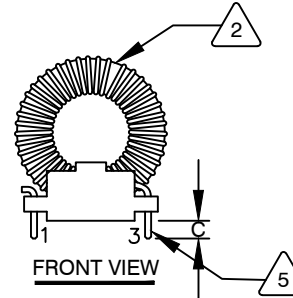
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS F (180°C MIN.) REQUIRED

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

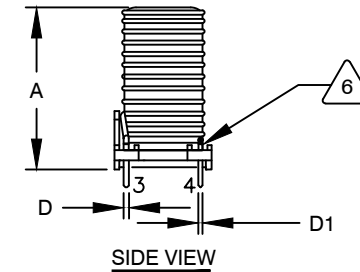
"TYP" IN DIM. TOL. REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

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

CAGE CODE: 5DME2



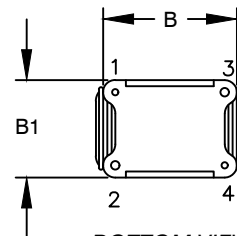
FRONT VIEW



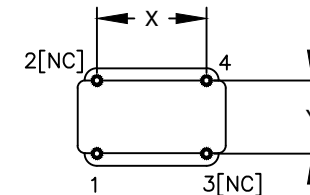
SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	1.18mH
1	1.15mH
2	1.08mH
3	992.8uH
4	876.9uH



BOTTOM VIEW



MOUNTING HOLES PATTERN

NC = NO CONNECTION

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 07/13/2006		TITLE: OUTPUT CHOKE 1200 uH, 4 Amps, Horizontal			
CHECKED		JLAU 07/13/2006					
ENGR.		JLAU 07/13/2006					
APPR.		KKSUM 07/13/2006					
SIZE		DWG. NO.		REV			
B				B1			
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 <X=±0°30'

TOLERANCE METRICS:
.XXX=±.127 .XX=±.38 <X=±0°30'

ANGLE PROJECTION

DO NOT SCALE DRAWING