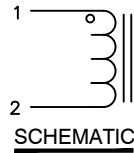


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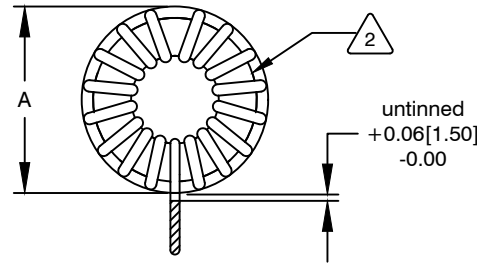
SCHEMATIC

DIMENSIONAL TOLERANCES
INCHES [MM]

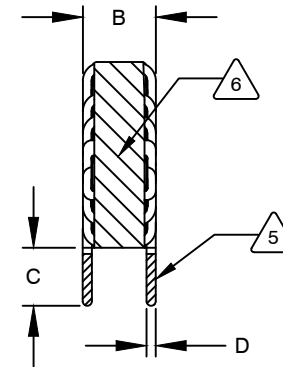
A MAX	B MAX	C MIN	D REF	X REF
0.82 [20.83]	0.40 [10.16]	0.50 [12.70]	0.04 [1.02]	0.25 [6.35]

REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
C	—	MECHANICAL SPEC. CHANGE	AK	6/12/12	JLAU	6/12/12
D	—	UPDATED SPEC.	TN	08/01/2020	JL	08/01/2020



FRONT VIEW



SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	10uH
2.0	9.4uH
4.0	9.2uH
6.0	8.7uH
8.0	8.3uH

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD
MARK PART NUMBER, REVISION AND DATE CODE

6 WRAP INDUCTOR WITH 3M # 79 OR EQUAL

5 (I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE
REMOVE INSULATION AND TIN LEADS 0.5 INCH, FLUSH WITH THE COIL EDGE

4 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 5 GRAMS TYPICAL

SRF: GREATER THAN 10MHz

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 155°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN.

INDUCTOR CURRENT RATING : 8.0 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 10.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 10uH±10% @ 0 AMP DC BIAS, 1.0 KHz, 250mV

3 SPECIFICATIONS: @ 25°C:

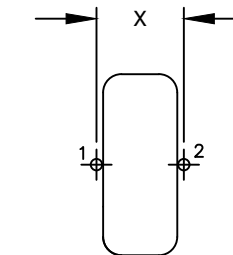
2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: POWDERED TOROIDAL CORE, CWS BYTE MARK OR OTHER APPROVED PART

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS B (130°C MIN.) REQUIRED
ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.

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

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

CAGE CODE: 5DME2



MOUNTING HOLES PATTERN

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±.010	
TOLERANCE METRICS:	
.XXX±.127 .XX±.38 <1/16±.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 W. Grove Ave. Orange, CA 92865
SOLIDWORKS			
SIGN	DATE		
DRAWN	TDK 2/8/04		
CHECKED	JLAU 2/9/04	TITLE: TOROIDAL POWER INDUCTOR 10uH, 8.0 Amps, Vertical	SIZE B
ENGR.	KSUM 3/5/04		
APPR.	JLAU 3/6/04		
SCALE		2=1	REV D
SHEET 1 OF 1			