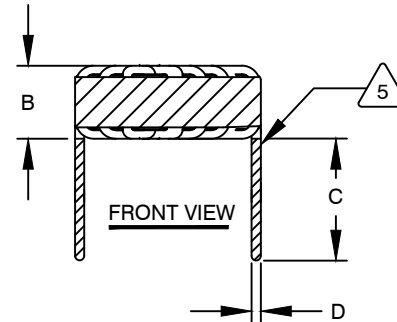


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DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
0.90 [22.86]	0.40 [10.16]	0.50 [12.70]	0.045 [1.15]	0.78 [19.80]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	JLL	03/24/2011		
A1	-	UPDATED SPECS.	JZ	12/27/2021	JL	12/27/2021



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0.0	10.3uH
2.5	9.5uH
5.0	8.4uH
7.5	7.2uH
10.0	6.1uH

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD
 MARK PART NUMBER AND REVISION, IF APPLICABLE
 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 0.50 INCH, FLUSH WITH THE COIL EDGE, AS SHOWN

4 WIND COILS EVENLY SPACED AROUND THE CORE
 CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT
 WEIGHT: 8 GRAMS TYPICAL
 INTERWINDING CAPACITANCE = 8 pF TYP @ SRF
 SRF = 17 MHz TYPICAL
 $|Z| = 722.3 \text{ OHMS TYP @ SRF}$
 RECOMMENDED AMBIENT OPERATING TEMP: -40 °C TO 200°C
 HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC 10 SEC
 CURRENT RATING : 10 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW
 DCR = 4.87 MILLI-OHMS MAX.
 INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT
 INDUCTANCE = 10 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS @ 25°C :

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

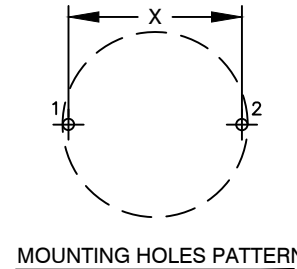
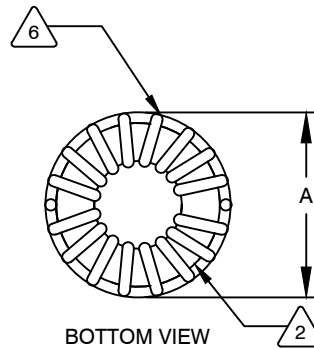
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS H (180°C MIN.) REQUIRED

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



UNLESS OTHERWISE SPECIFIED
 DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
 ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
 TOLERANCE INCHES:
 .XXX±.005 .XX±.015 $\angle = \pm 0^{\circ}30'$
 TOLERANCE METRICS:
 .XXX±.127 .XX±.38 $\angle = \pm 0^{\circ}30'$
 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	DATE		
DRAWN	KLC 10/06/2008	TITLE: TOROIDAL POWER INDUCTOR 10 uH, 10 Amps, Horizontal	
CHECKED	CT 10/06/2008		
ENGR.	KLC 10/06/2008		
APPR.	KLC 10/06/2008		
SIZE	DWG. NO.	REV	
B	SN166-100M-10.0AH	A1	
SCALE	2=1		SHEET 1 OF 1