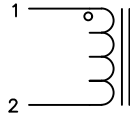


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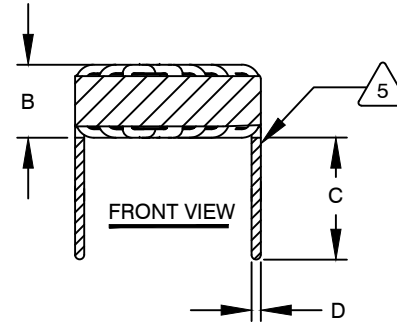


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
1.11 [28.20]	0.50 [12.65]	0.50 [12.70]	0.06 [1.64]	0.92 [23.41]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	TN	10/10/2018	JL	10/10/2018
A1	-	UPDATED SPECS.	JZ	03/29/2022	JL	03/29/2022



**SCHMATIC**



**FRONT VIEW**

**DC BIAS TABLE**

DC BIAS (AMP)	L @ 1.0 KHz
0	25uH
5	17uH
10	11uH
15	7uH

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: 17 GRAMS TYPICAL  
 INTERWINDING CAPACITANCE = 9.5 pF TYP @ SRF  
 SRF = 9.5 MHz TYPICAL  
 |Z| = 3 KILO-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 : 15 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW  
 DCR = 5.7 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT  
 INDUCTANCE = 25 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

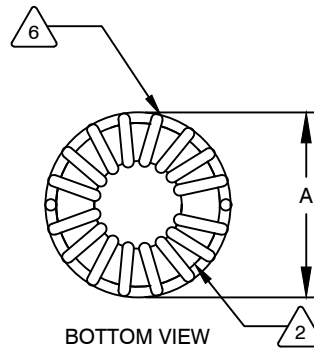
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS H (180°C MIN.) REQUIRED

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

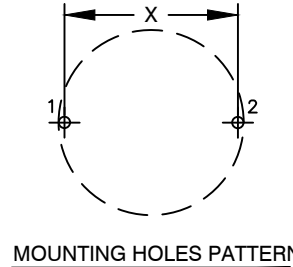
"TYP" IN DIM. TOL. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

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

CAGE CODE: 5DME2



**BOTTOM VIEW**



**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 <math>\angle=±0°30'</math>  
 TOLERANCE METRICS:  
 .XXX=±.127 .XX=±.38 <math>\angle=±0°30'</math>  
 ANGLE PROJECTION  
 DO NOT SCALE DRAWING

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
<b>PARTS LIST</b>			
AUTOCAD	X		
SOLIDWORKS			
SIGN	DATE	<b>COILWS COM, INC</b> www.coilws.com CWS Coil Winding Specialist. 353 W Grove Ave Orange, CA. 92865	
DRAWN	TN 10/10/2018		
CHECKED	JM 10/10/2018	TITLE: <b>TOROIDAL POWER INDUCTOR            25 uH, 15 Amps, Horizontal</b>	
ENGR.	JL 10/10/2018		
APPR.	JL 10/10/2018	SIZE	DWG. NO.
		B	SN203-250M-15AH
		SCALE	REV
		2=1	A1
			SHEET 1 OF 1