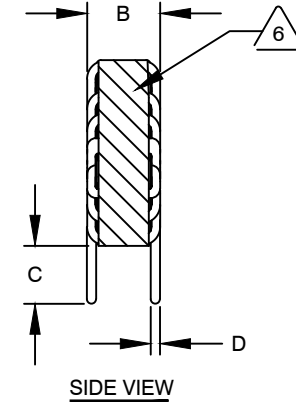
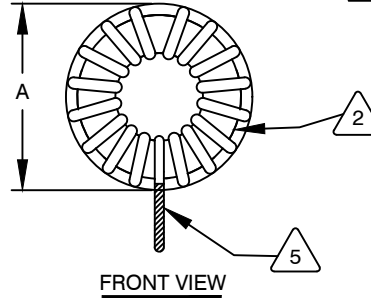
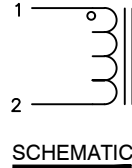
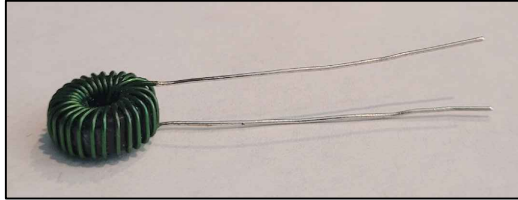


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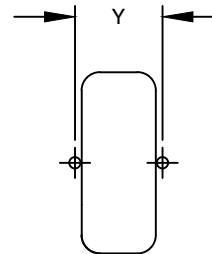
DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	Y REF
0.52 [13.20]	0.29 [7.30]	0.50 [12.70]	0.02 [0.51]	0.29 [7.30]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	TN	02/08/2018	JL	02/08/2018
A1	-	UPDATED SPECS.	JZ	03/29/2022	JL	03/29/2022



**DC BIAS TABLE**

DC BIAS (AMP)	L @ 1.0 KHz
0.0	45uH
0.5	41uH
1.0	38uH
1.5	33uH
2.0	29uH



- 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  
 (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
- 5
- 4 CONSTRUCTION: WIND COILS EVENLY SPACED AROUND THE CORE  
 WEIGHT: 2.83 GRAMS TYPICAL  
 INTERWINDING CAPACITANCE = 10 pF TYP @ SRF  
 SRF = 8.3 MHz TYPICAL  
 |Z| = 2.3 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 : 2 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW  
 DCR = 40 MILLI-OHMS MAX.  
 INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT  
 INDUCTANCE = 48 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV
- 3 SPECIFICATIONS: @ 25° C
- 2 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 H (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

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 = \pm 0^{\circ}30'</math>  
 TOLERANCE METRICS:  
 .XXX±.127 .XX±.38 <math>\angle = \pm 0^{\circ}30'</math>  
 ANGLE PROJECTION  
 DO NOT SCALE DRAWING

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.	
<b>PARTS LIST</b>				
AUTOCAD	X	<b>COILWS COM, INC</b> www.coilws.com	CWS Coil Winding Specialist. 353 WEST GROVE ORANGE, CA 92865	
SOLIDWORKS				
SIGN	DATE	<b>TITLE:</b> TOROIDAL POWER INDUCTOR 48 uH, 2 Amps, Vertical		
DRAWN	TN 02/08/2018			
CHECKED	JL 02/08/2018			
ENGR.	JM 02/08/2018			
APPR.	JL 02/08/2018	SIZE	DWG. NO.	REV
		B	SN102-480M-2AV	A1
		SCALE	SHEET 1 OF 1	
		2=1		