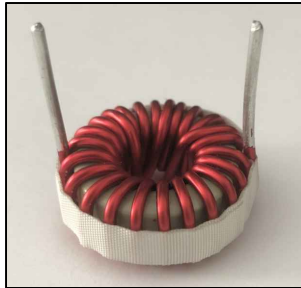
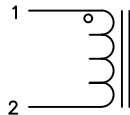


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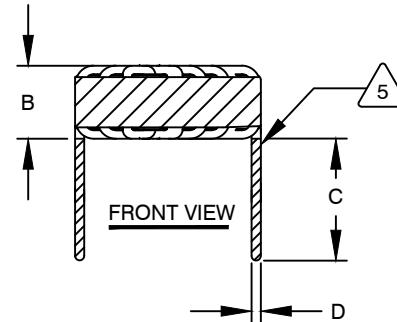


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
1.21 [30.70]	0.5 [14.00]	0.50 [12.70]	0.06 [1.60]	1.00 [25.40]

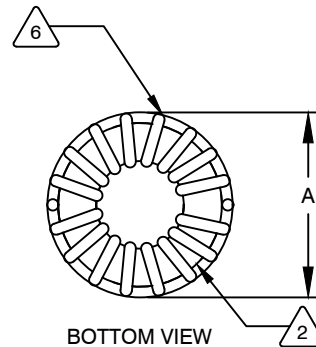
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	TN	11/06/2018	JL	11/06/2018
A1	-	UPDATED SPECS.	JZ	11/23/2021	JL	11/23/2021



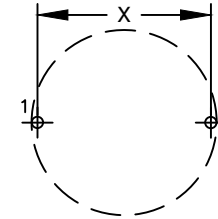
SCHEMATIC



FRONT VIEW



BOTTOM VIEW



MOUNTING HOLES PATTERN

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	53uH
1	49uH
2	46uH
3	42uH
4	38uH
5	35uH
6	32uH

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: 26 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 14 pF TYP @ SRF

SRF = 5.8 MHz TYPICAL

|Z| = 6.5 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 : 6 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW

DCR = 7.6 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 51 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS @ 25°C :

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

2 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 <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 11/06/2018		
CHECKED	JM 11/06/2018	TITLE: <b>TOROIDAL POWER INDUCTOR</b> 51 uH, 6 Amps, Horizontal	
ENGR.	JL 11/06/2018		
APPR.	JL 11/06/2018	SIZE	DWG. NO.
		B	SN229-510M-6.0AH
		SCALE	REV
		2=1	A1
			SHEET 1 OF 1