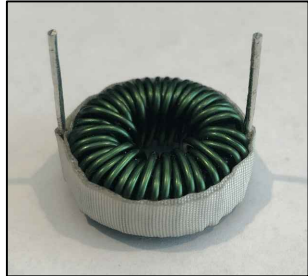
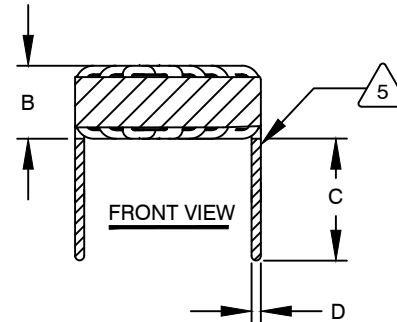


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DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
1.06 [27.00]	0.50 [12.65]	0.50 [12.70]	0.05 [1.15]	0.94 [24.00]

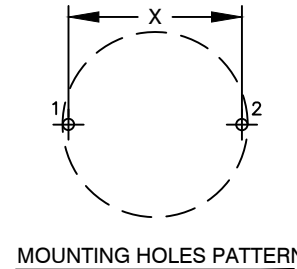
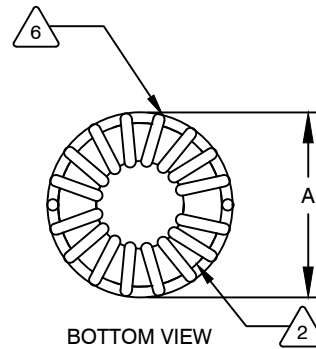
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	TN	06/22/2018	JL	06/22/2018
A1	-	UPDATED SPECS.	JZ	04/21/2021	JL	04/21/2021



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	100uH
1	87uH
2	75uH
3	63uH
4	52uH
5	44uH

- 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 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:
THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT
WEIGHT: 17 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 15 pF TYP @ SRF
SRF = 3.8 MHz TYPICAL
|Z| = 5.3 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 : 5 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW
DCR = 20.0 MILLI-OHMS MAX.
INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT
INDUCTANCE = 100 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				
SIGN	DATE	TITLE: TOROIDAL POWER INDUCTOR 100 uH, 5 Amps, Horizontal		
DRAWN	TN 06/22/2018			
CHECKED	JM 06/22/2018			
ENGR.	JL 06/22/2018			
APPR.	JL 06/22/2018	SIZE	DWG. NO.	REV
		B	SN203-101M-5.0AH	A1
		SCALE	2=1	SHEET 1 OF 1