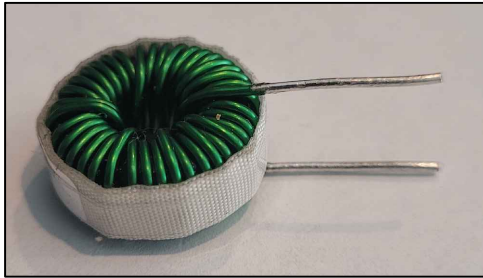
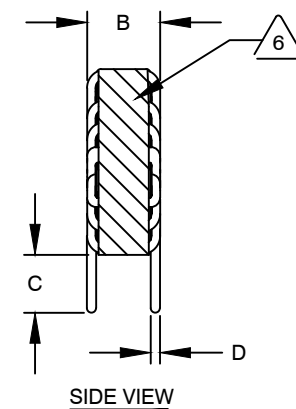
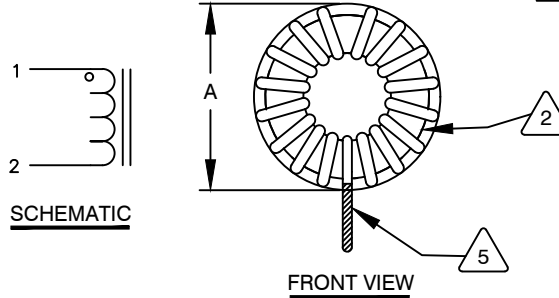


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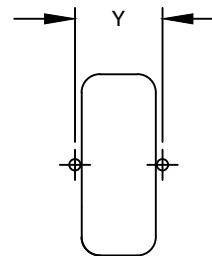
DIMENSIONAL TOLERANCES INCHES [MM]				
A	B	C	D	Y
MAX	MAX	MIN	REF	REF
0.79 [20.07]	0.40 [10.16]	0.50 [12.70]	0.03 [0.91]	0.40 [10.16]

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



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	104.9uH
1	91.51uH
2	76.55uH
3	61.40uH
4	48.76uH



MOUNTING HOLES PATTERN

- 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

- 4 CONSTRUCTION: WIND COILS EVENLY SPACED AROUND THE CORE

WEIGHT: 11 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 16.33 pF TYP @ SRF
SRF = 3.83 MHz TYPICAL
|Z| = 10.49 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 : 3 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW
DCR = 33 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT
INDUCTANCE = 110 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

- 3 SPECIFICATIONS: @ 25° C

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: HIGH POWDERED TOROIDAL CORE, CWS BYTE MARK 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 \angle=±0°30'	
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 \angle=±0°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 WEST GROVE ORANGE, CA 92865
SOLIDWORKS			
SIGN	DATE	TITLE: TOROIDAL POWER INDUCTOR 110 uH, 3.0 Amps, Vertical	
DRAWN	TN 03/29/2011		
CHECKED	JL 03/29/2011		
ENGR.	JL 03/29/2011		
APPR.	JL 03/29/2011	SIZE DWG. NO.	REV
		B SN166-111M-3.0AV	A1
		SCALE 2=1	SHEET 1 OF 1