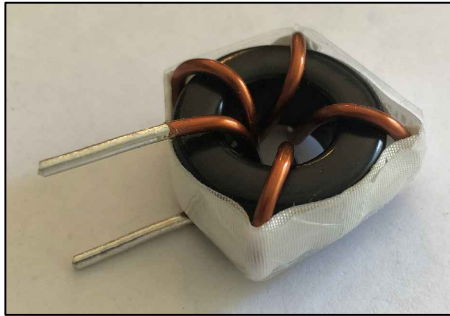
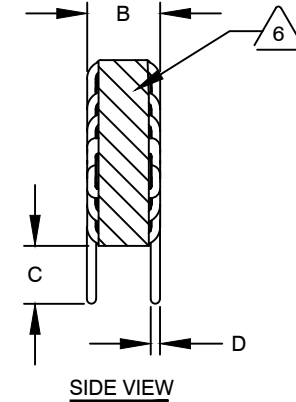
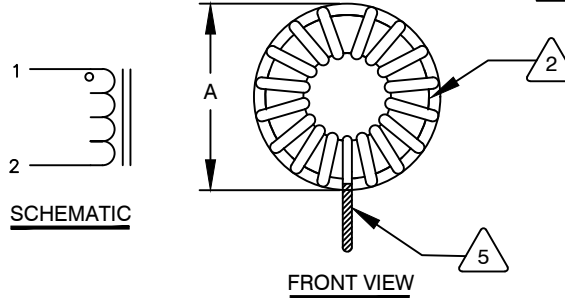


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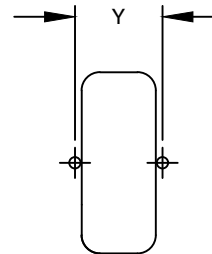
DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	Y REF
1.38 [35.00]	0.75 [19.05]	0.50 [12.70]	0.079 [2.00]	0.59 [15.00]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	KLC	07/09/2008	RL	07/09/2008
A1	-	UPDATED SPECS.	JZ	01/21/2021	JL	01/21/2021



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	3.9uH
5	3.8uH
10	3.5uH
15	3.2uH
20	3.1uH
25	2.8uH
30	2.5uH



MOUNTING HOLES PATTERN

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD  
MARK PART NUMBER AND REVISION, IF APPLICABLE,  
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: 35 GRAMS TYPICAL  
INTERWINDING CAPACITANCE = 110 pF TYP @ SRF  
SRF = 10 MHz TYPICAL  
|Z| = 258 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 : 26.3 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW  
DCR = 2.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 3.9 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 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=±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	<b>COILWS COM, INC</b> www.coilws.com	CWS Coil Winding Specialist. 353 WEST GROVE ORANGE, CA 92865
SOLIDWORKS			
SIGN	DATE	TITLE: TOROIDAL POWER INDUCTOR 3.9 uH, 26.3 Amps, Vertical	
DRAWN	TDK 07/09/2008		
CHECKED	JLAU 07/09/2008		
ENGR.	KSUM 07/09/2008		
APPR.	KLC 07/09/2008	SIZE DWG. NO.	REV
		B SN270-3R9M-26.3AV	A1
SCALE		2=1	SHEET 1 OF 1