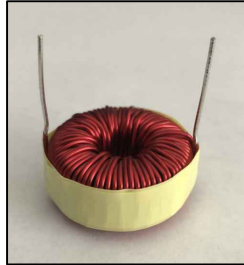
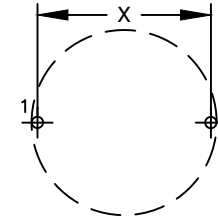
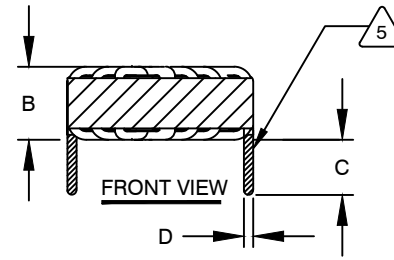
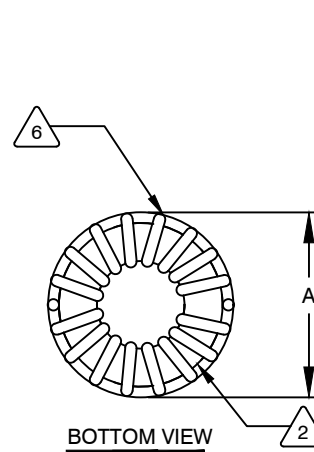


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DIMENSIONAL TOLERANCES INCHES [MM]				
A	B	C	D	X
MAX	MAX	MIN	REF	REF
1.24 [31.5]	.72 [18.3]	.50 [12.70]	.045 [1.15]	1.16 [29.5]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	JLL	03/24/2011		
A1	-	UPDATED SPECS.	JZ	08/05/2020	JL	08/05/2020



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	1060uH
1	872uH
2	638uH
3	456uH
3.5	387uH

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: 44 GRAMS TYPICAL
 INTERWINDING CAPACITANCE = 46 pF TYP @ SRF
 SRF = 720 kHz TYPICAL
 |Z| = 68.11 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 : 3.5 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW
 DCR = 89 MILLI-OHMS MAX.
 INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT
 INDUCTANCE = 1.0 mH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS @ 25°C :

2 WIRE: UL RECOGNIZED 155°C RATED MAGNET WIRE
 CORE: POWDERED TOROIDAL CORE, CWS BYTEMARK OR OTHER APPROVED PART

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS B (130°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 1.0 mH, 3.5 Amps, Horizontal		
DRAWN	KLC 10/06/2008			
CHECKED	CT 10/06/2008			
ENGR.	KLC 10/06/2008			
APPR.	KLC 10/06/2008	SIZE	DWG. NO.	REV
		B	SN270-102M-3.5AH	A1
		SCALE	SHEET 1 OF 1	
		2=1		