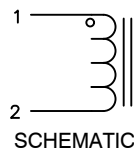
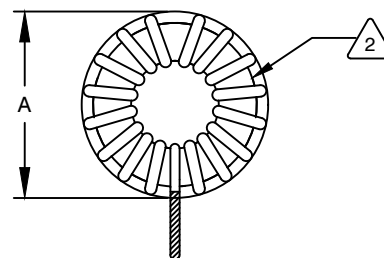


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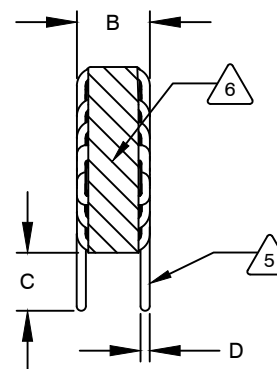


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C TYP	D TYP	X REF
0.63 [16.00]	0.30 [7.62]	0.50 [12.70]	0.02 [0.51]	0.25 [6.35]

REVISION HISTORY				
REV	ECN	DESCRIPTION	SIGN & DATE	
			BY	DATE
B	—	UPDATED SPEC.	TDK	3/8/06
C	—	UPDATED SPEC.	TN	08/01/2020



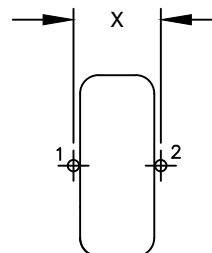
FRONT VIEW



SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	327uH
0.5	310uH
1.0	295uH
1.7	258uH



MOUNTING HOLES PATTERN

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD
MARK PART NUMBER, REVISION AND DATE CODE
WRAP INDUCTOR WITH 3M # 79 OR EQUAL



(I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT
REMOVE INSULATION AND TIN LEADS 0.5 INCH, FLUSH WITH THE COIL EDGE

WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT
WEIGHT: 4 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 21.7pF TYP @ SRF

SRF = 1.96MHz TYP

|Z| = 13.8KILLO-OHMS TYP @ SRF

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 155°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN.

CURRENT RATING : 1.7 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 190.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 330uH±10% @ 0 AMP DC BIAS, 1.0 KHz, 250mV

3 SPECIFICATIONS: @ 25°C:



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 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 <1=±0°30'	
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 <1=±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 W. Grove Ave. Orange, CA 92865	TITLE: TOROIDAL POWER INDUCTOR 330uH, 1.7 Amps, Vertical
SOLIDWORKS			
SIGN	DATE		
DRAWN	TDK 2/8/04		
CHECKED	JLAU 2/9/04		
ENGR.	KSUM 3/5/04	SIZE DWG. NO. B HF127-331M-1.7AV	REV C
APPR.	JLAU 3/6/04		
SCALE		2=1	SHEET 1 OF 1