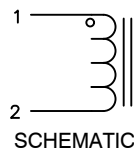
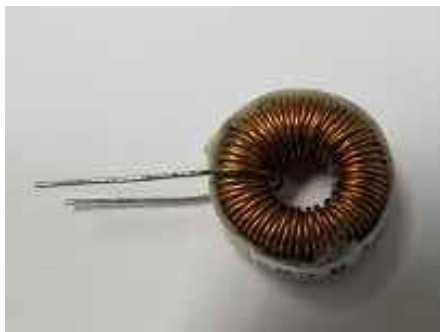
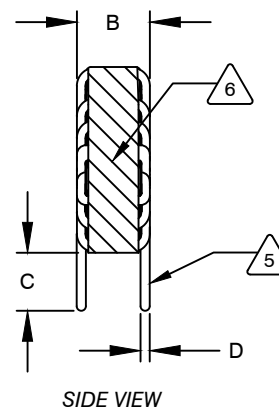
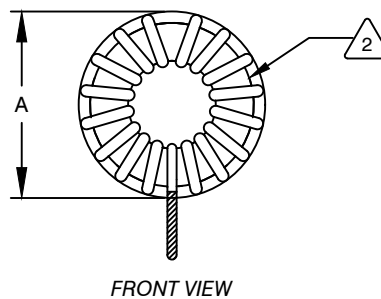


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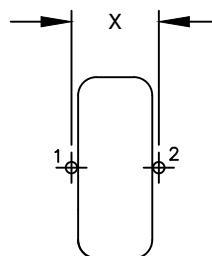
DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C TYP	D TYP	X REF
0.63 [16.00]	0.30 [7.62]	0.50 [12.70]	0.02 [0.51]	0.25 [6.35]

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	CHK DATE
C	—	UPDATED SPEC.	TDK	4/2/10	JLAU 4/2/10
D	—	UPDATED SPEC.	TN	08/01/2020	JL 08/01/2020



DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	242uH
1.0	227uH
1.9	198uH



7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD

MARK PART NUMBER, REVISION AND DATE CODE

6 WRAP INDUCTOR WITH 3M # 79 OR EQUAL

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

WIND COILS EVENLY SPACED AROUND THE CORE
4 CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 4 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 25.4pF TYP @ SRF

SRF = 2.12MHz TYP

|Z| = 11 KILO-OHMS TYP @ SRF

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

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

CURRENT RATING : 1.9 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 160.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

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

3 SPECIFICATIONS: @ 25°C:

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

2 CORE: POWDERED TOROIDAL CORE, CWS BYTE MARK 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 <1/16" = ±0.030	
TOLERANCE METRICS: .XXX = ±.127 .XX = ±.38 <1/16" = ±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	
SOLIDWORKS				
SIGN		DATE	CWS Coil Winding Specialist. 353 W. Grove Ave. Orange, CA 92865	
DRAWN	TDK	2/8/04	TITLE: TOROIDAL POWER INDUCTOR 250uH, 1.9 Amps, Vertical	
CHECKED	JLAU	2/9/04		
ENGR.	KSUM	3/5/04		
APPR.	JLAU	3/6/04		
		SIZE	DWG. NO.	REV
		B	HF127-251M-1.9AV	D
		SCALE	2=1	SHEET 1 OF 1