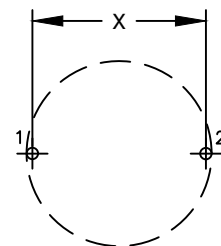
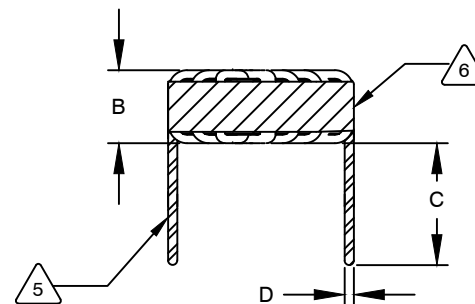
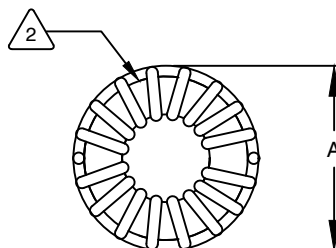
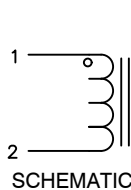


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DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
0.82 [20.83]	0.40 [10.16]	0.50 [12.70]	0.04 [1.02]	0.78 [19.81]

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	CHK
B	—	UPDATED SPEC.	TDK	10/13/05	JLAU
C	—	UPDATED SPEC.	TN	08/01/2020	JL

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	25uH
2.0	24uH
4.0	24uH
6.0	23uH
6.4	22uH

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

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

4 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 11 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 8.3pF TYP @ SRF

SRF = 9.2MHz TYPICAL

|Z| = 4.3 KILO-OHMS TYP @ SRF

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

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

INDUCTOR CURRENT RATING : 6.4 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 17.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 25uH±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 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 <1/16±.010	
TOLERANCE METRICS:	
.XXX±.127 .XX±.38 <1/16±.30	
ANGLE PROJECTION	
DO NOT SCALE DRAWING	

CODE IDENT		MFG. P/N		DESCRIPTION		ITEM NO.			
PARTS LIST									
AUTOCAD		X		COILWS COM, INC CWS Coil Winding Specialist. 353 W. Grove Ave. Orange, CA. 92865					
SOLIDWORKS									
SIGN		DATE		TITLE: TOROIDAL POWER INDUCTOR 25uH, 6.4 Amps, Horizontal					
DRAWN		TDK 2/8/04							
CHECKED		JLAU 2/9/04							
ENGR.		KSUM 3/5/04							
APPR.		JLAU 3/6/04							
				SIZE		DWG. NO.		REV	
				B		HF166-250M-6.4AH		C	
				SCALE		2=1		SHEET 1 OF 1	