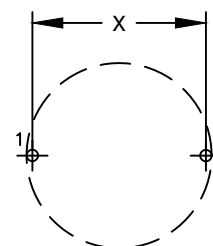
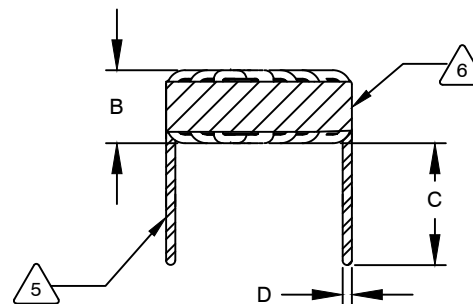
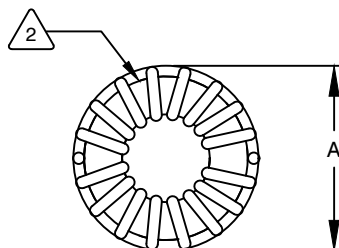
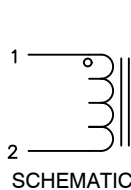


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DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C REF	D REF	X REF
0.65 [16.51]	0.30 [7.62]	0.50 [12.70]	0.032 [0.81]	0.60 [15.24]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
C	—	REVISED DIMENSION, ADD RoHS COMPLIANCE		11/7/08		11/7/08
D	—	UPDATED SPEC.	TN	08/01/2020	JL	08/01/2020

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	25uH
2.0	24uH
3.0	23uH
4.0	22uH
5.5	21uH

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

WIND COILS EVENLY SPACED AROUND THE CORE

4 CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 5 GRAMS TYPICAL

SRF: GREATER THAN 10MHz

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

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

INDUCTOR CURRENT RATING : 5.5 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 20.0 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:

2 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	∠ ± 0°
TOLERANCE METRICS:		
.XXX ± .127	.XX ± .38	∠ ± 0°
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. www.coilws.com 353 W. Grove Ave. Orange, CA. 92865		
	SOLIDWORKS				
	SIGN	DATE			
	DRAWN	TDK 2/8/04			
	CHECKED	JLAU 2/9/04	TITLE: TOROIDAL POWER INDUCTOR 25uH, 5.5 Amps, Horizontal		
30'	ENGR.	KSUM 3/5/04			
30'	APPR.	JLAU 3/6/04			
			SIZE	DWG. NO.	REV
			B	HF127-250M-5.5AH	D
			SCALE	2=1	SHEET 1 OF 1