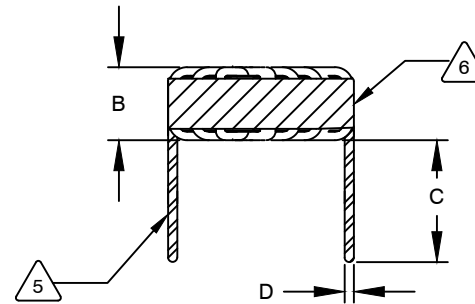
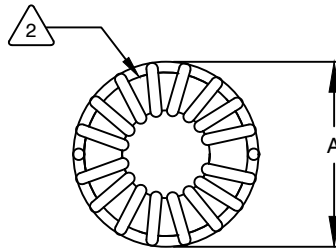
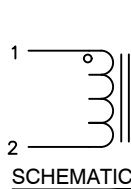
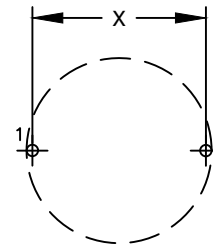


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DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	5.8uH
2	5.7uH
4	5.5uH
6	5.4uH
8	5.2uH
10	5.1uH



DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D TYP	X REF
0.73 [18.54]	0.37 [9.40]	0.50 [12.70]	0.051 [1.30]	0.60 [15.24]

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	CHK
B	—	MECH AND ELECT. SPECS CHANGE	KCL	7/25/12	AK
C	—	UPDATED SPEC.	TN	07/15/2020	JL

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: 6 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 : 10 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 4.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 5.6uH ± 15% @ 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 <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	
SOLIDWORKS					
SIGN		DATE	TITLE: TOROIDAL POWER INDUCTOR 5.6uH, 10.0 Amps, Horizontal		
DRAWN	TDK	11/9/09			
CHECKED	JLAU	11/9/09			
ENGR.	KSUM	11/9/09			
APPR.	JLAU	11/9/09	SIZE DWG. NO.		REV
		B	HF127-5R6M-10.0AH		C
		SCALE		SHEET 1 OF 1	
		2=1			