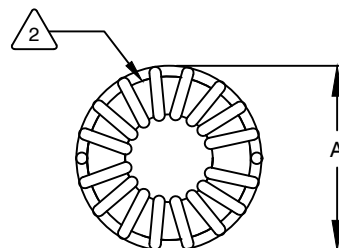
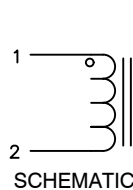
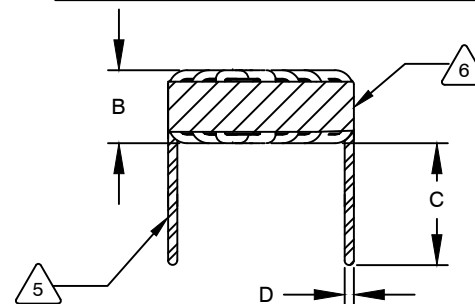


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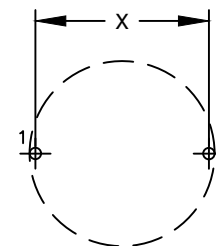
DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
0.53 [13.46]	0.30 [7.62]	0.50 [12.70]	0.03 [0.64]	0.51 [13.00]



BOTTOM VIEW



FRONT VIEW



MOUNTING HOLES PATTERN

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	57uH
1.0	52uH
2.0	42uH
3.0	32uH

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 TO THE CORE
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: 3 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 6.15pF TYP @ SRF

SRF = 8.34 MHz TYPICAL

|Z| = 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 : 3.0 AMPS, 20°C TEMP. RISE WITH SOME AIR FLOW

DCR = 30.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 60uH±15% @ 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	

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	PRODUCTION RELEASE	JL	08/10/17	JLAU	08/10/17
B	—	UPDATED SPEC.	TN	08/01/2020	JL	08/01/2020

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 60uH, 3.0 Amps, Horizontal			
DRAWN		TDK 08/10/17					
CHECKED		JLAU 08/10/17					
ENGR.		KSUM 08/10/17					
APPR.		JLAU 08/10/17					
				SIZE DWG. NO.		REV	
				B HF112-600M-3.0AH		B	
				SCALE 2=1		SHEET 1 OF 1	