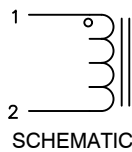
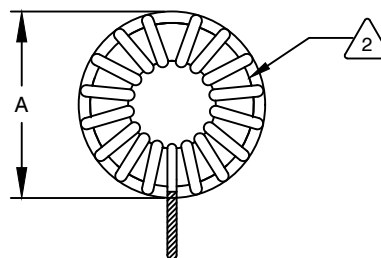


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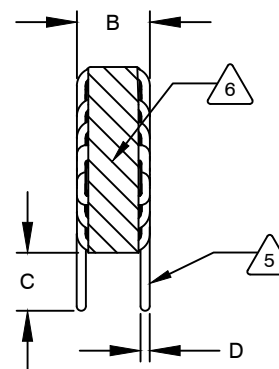


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
0.95 [24.00]	0.47 [12.00]	0.50 [12.70]	0.04 [1.024]	0.43 [11.00]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	PRODUCTION RELEASE	JL	04/14/17	JM	04/14/17
B	—	UPDATED SPEC.	TN	08/01/2020	JL	08/01/2020



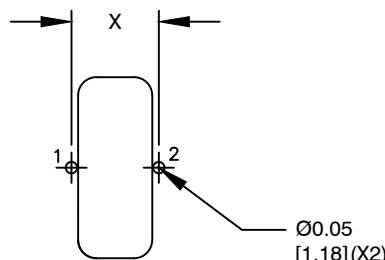
FRONT VIEW



SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	75uH
1.0	74uH
3.0	69uH
5.0	62uH
7.0	50uH



MOUNTING HOLES PATTERN

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

4 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 13 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 9.37pF TYP @ SRF

SRF = 6.33 MHz TYPICAL

|Z| = 3.25 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 : 7 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW
DCR = 65.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 77uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 250mV

3 SPECIFICATIONS: @ 25°C:

5 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

CORE: POWDERED TOROIDAL CORE, CWS BYTE MARK OR OTHER APPROVED PART

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS N (200°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		TITLE: TOROIDAL POWER INDUCTOR 77uH, 7.0 Amps, Vertical			
DRAWN		JL 04/14/17					
CHECKED		JM 04/14/17					
ENGR.		JM 04/14/17					
APPR.		JM 04/14/17					
				SIZE DWG. NO.		REV	
		B		HF172-770M-7.0AV		B	
		SCALE		2=1		SHEET 1 OF 1	