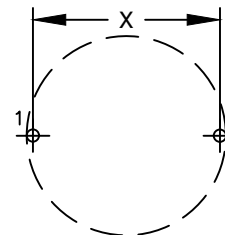
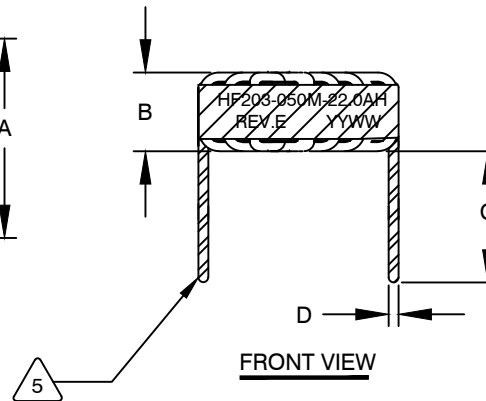
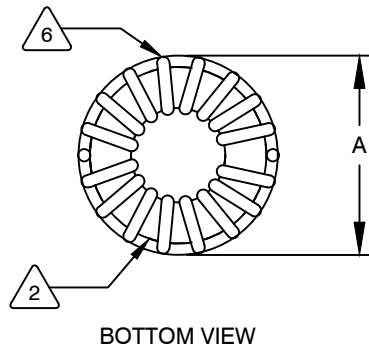
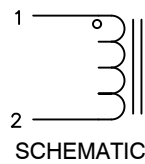


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DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C TYP	D REF	X REF
1.06 [26.92]	0.45 [11.51]	0.50 [12.70]	0.073 [1.85]	1.00 [25.40]

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	CHK
D	—	ELEC. AND MECH SPEC. CHANGE	GN	8/30/12	JLAU
E	—	UPDATED SPEC.	TN	07/13/2020	JL

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	5.4uH
5	5..4uH
10	5.2uH
15	5.1uH
20	5.0uH
22	4.8uH

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

WIND COILS EVENLY SPACED AROUND THE CORE
4 CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 50 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 : 22 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 2.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 5.4uH±12% @ 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°30'	
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 <±=±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 WEST GROVE AVENUE ORANGE, CA 92865					
SOLIDWORKS											
SIGN		DATE									
DRAWN		TDK		2/8/04		TITLE: TOROIDAL POWER INDUCTOR 5.4uH, 22 Amps, Horizontal					
CHECKED		JLAU		2/9/04							
ENGR.		KSUM		3/5/04		SIZE B		DWG. NO. HF203-050M-22.0AH		REV E	
APPR.		JLAU		3/6/04							
				SCALE		2=1		SHEET 1 OF 1			