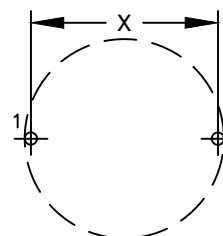
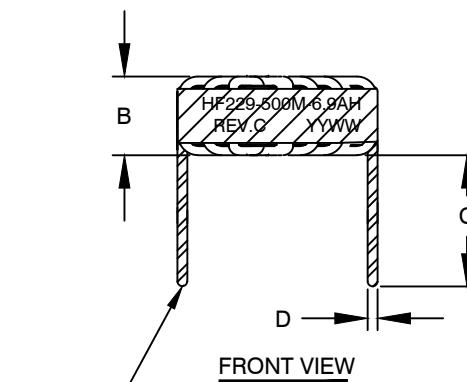
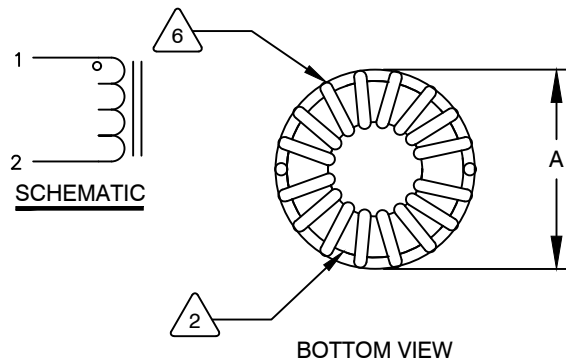


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DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C TYP	D REF	X REF
1.10 [27.94]	0.48 [12.19]	0.50 [12.70]	0.046 [1.17]	1.05 [26.67]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
B	—	UPDATED SPEC.	TDK	5/09/04	JLAU	5/09/04
C	—	UPDATED SPEC.	TN	07/14/2020	JL	07/14/2020



**DC BIAS TABLE**

DC BIAS (AMP)	L@ 1KHz (REF)
0	51uH
1	51uH
2	50uH
4	50uH
5	50uH
6	48uH
6.9	48uH

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: 50 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 14.4pF TYP @ SRF

SRF = 5.72MHz TYPICAL

|Z| = 11.3KILO-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 : 6.9 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 22.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 50uH±10% @ 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:	∠=±0°30'
.XXX=±.005 .XX=±.015	
TOLERANCE METRICS:	∠=±0°30'
.XXX=±.127 .XX=±.38	
ANGLE PROJECTION	
DO NOT SCALE DRAWING	

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
<b>PARTS LIST</b>			
AUTOCAD	X	<b>COILWS COM, INC</b> www.coilws.com	CWS Coil Winding Specialist. 1510 E. Edinger Ave. Unit B. Santa Ana, CA. 92705
SOLIDWORKS			
DRAWN	TDK 2/8/04	TITLE: TOROIDAL POWER INDUCTOR 50uH, 6.9 Amps, Horizontal	
CHECKED	JLAU 2/9/04		
ENGR.	KSUM 3/5/04		
APPR.	JLAU 3/6/04		
SIZE	DWG. NO.	HF229-500M-6.9AH	REV C
B			
SCALE	2=1	SHEET 1 OF 1	

CAD-FILE: