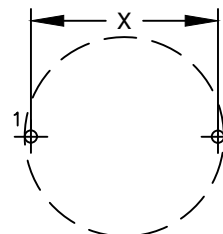
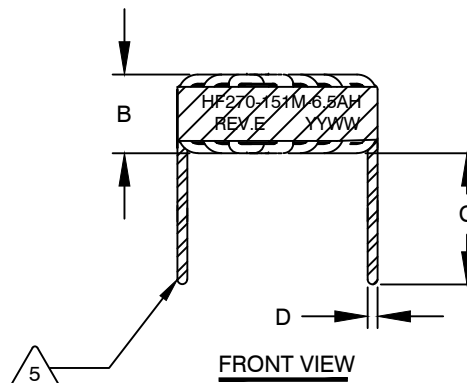
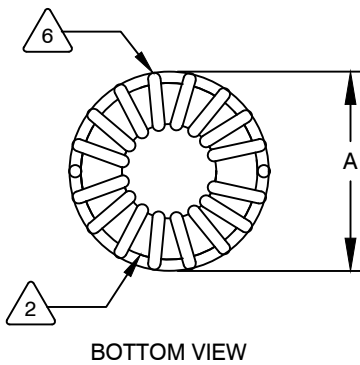
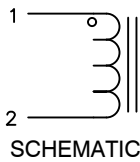


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DIMENSIONAL TOLERANCES INCHES [MM]					
A MAX	B MAX	C TYP	D REF	E MIN/MAX	X REF
1.30 [33.02]	0.65 [16.51]	0.75 [19.05]	0.045 [1.14]	0.04-0.06 [1.02-1.52]	1.25 [31.75]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
D	—	REVISE DIMENSIONAL TOLERANCE ADD RoHS COMPLIANCE	KLC	11/9/10	JLAU	11/9/10
E	—	UPDATED SPEC.	TN	07/11/2020	JL	07/11/2020

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	150uH
2	149uH
4	146uH
6	141uH
6.5	139uH

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
REMOVE INSULATION AND TIN LEADS 0.5 INCH, FLUSH WITH THE COIL EDGE

5 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT
WEIGHT: 50 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 29.8pF TYP @ SRF

SRF = 2.40MHz TYPICAL

|Z| = 21 KILO-OHMS TYP @ SRF

RECOMMENDED AMBIENT OPERATING TEMP: -55°C TO 180°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 1250VDC, 5 SEC.

INDUCTOR CURRENT RATING : 6.5 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 38 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 150uH±10% @ 0 AMP DC BIAS, 1.0 KHz, 250mV

3 SPECIFICATIONS: @ 25°C:

5 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

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

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS H (180°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		
SOLIDWORKS					
SIGN		DATE	CWS Coil Winding Specialist. 1510 E. Edinger Ave. Unit B. Santa Ana, CA. 92705		
DRAWN	BJN	01/17/07	TITLE: TOROIDAL POWER INDUCTOR 150uH, 6.5 Amps, Horizontal		
CHECKED	JLAU	01/17/07			
ENGR.	KSUM	01/17/07			
APPR.	JLAU	01/17/07			
			SIZE	DWG. NO.	REV
			B	HF270-151M-6.5AH	E
			SCALE		
			2=1		
			SHEET		1 OF 1