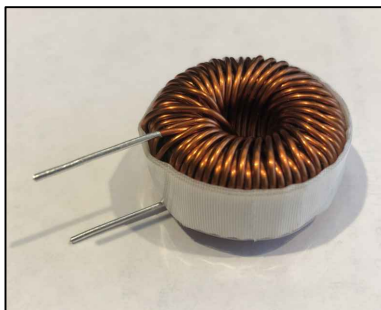
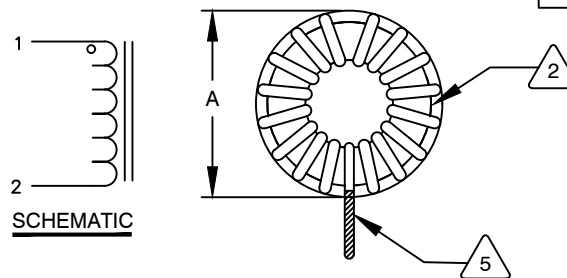


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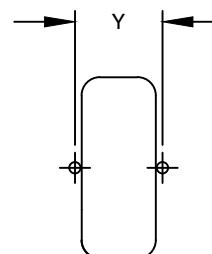
DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	Y REF
1.300 [33.02]	.700 [17.78]	.500 [12.70]	.040 [1.02]	0.600 [15.24]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	KLC	10/01/2010	AK	10/01/2010
A1	—	UPDATED SPECS.	JZ	12/18/2020	JL	12/18/2020

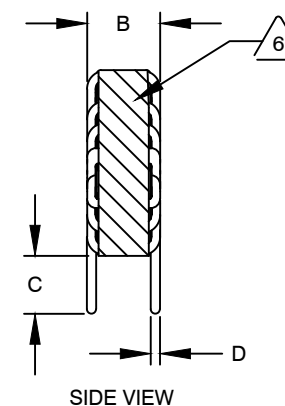


SCHEMATIC

FRONT VIEW



MOUNTING HOLES PATTERN



SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	398uH
1	393uH
3	373uH
5	343uH

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION, IF APPLICABLE,

6 WRAP INDUCTOR WITH 3M # 79 OR EQUAL

5 (I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE
REMOVE INSULATION AND TIN LEADS 0.50 INCH, FLUSH WITH THE COIL EDGE, AS SHOWN

4 CONSTRUCTION: WIND COILS EVENLY SPACED AROUND THE CORE

WEIGHT: 50 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 55.99 pF TYP @ SRF

SRF = 1.16 MHz TYPICAL

|Z| = 22.10 KILO-OHMS TYP @ SRF

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 200°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 1250 VDC 10 SEC

CURRENT RATING : 5 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 100.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 390 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS: @ 25° C

2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: HIGH 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. 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	

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 ORANGE, CA 92865	
SOLIDWORKS							
SIGN		DATE					
DRAWN		KLC	10/01/2010	TITLE: TOROIDAL POWER INDUCTOR 390 uH, 5 Amps, Vertical			
CHECKED		AK	10/01/2010				
ENGR.		KLC	10/01/2010				
APPR.		KLC	10/01/2010				
		SIZE		DWG. NO.		REV	
		B		MF270-391M-5AV		A1	
		SCALE		2=1		SHEET 1 OF 1	