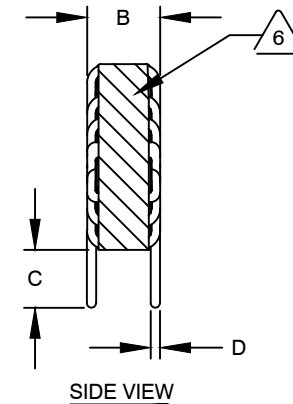
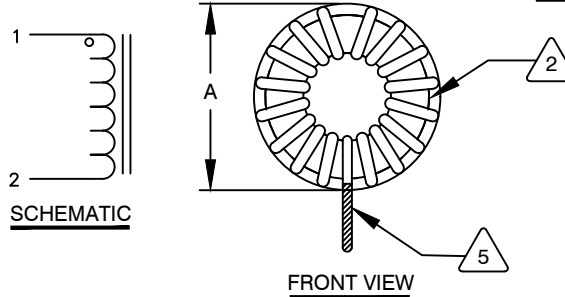
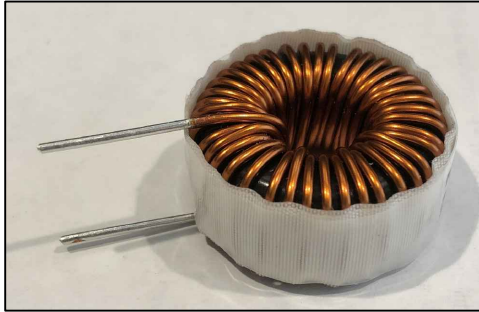


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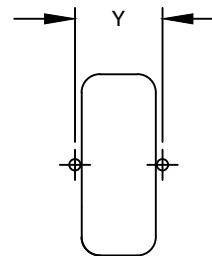
DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	Y REF
1.378 [35.00]	.750 [19.05]	.500 [12.70]	.051 [1.30]	0.600 [15.00]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	KLC	01/29/2010	AK	01/29/2010
A1	-	UPDATED SPECS.	JZ	12/28/2020	JL	12/28/2020



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	113uH
2	111uH
4	110uH
6	105uH
8	101uH



MOUNTING HOLES PATTERN

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD
MARK PART NUMBER AND REVISION, IF APPLICABLE,
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 0.50 INCH, FLUSH WITH THE COIL EDGE, AS SHOWN

4 CONSTRUCTION: WIND COILS EVENLY SPACED AROUND THE CORE

WEIGHT: 45 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 20.0 pF TYP @ SRF
SRF = 3.2 MHz TYPICAL
|Z| = 75.6 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 : 8 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW
DCR = 40.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 120 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS: @ 25° C



WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE
CORE: HIGH POWDERED TOROIDAL CORE, CWS BYTEMARK 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 $\angle=±0°30'$	
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 $\angle=±0°30'$	
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	TITLE: TOROIDAL POWER INDUCTOR 120 uH, 8 Amps, Vertical	
DRAWN	KLC 01/29/2010		
CHECKED	AK 01/29/2010		
ENGR.	KLC 01/29/2010		
APPR.	KLC 01/29/2010	SIZE DWG. NO.	REV
		B MF270-121M-8AV	A1
		SCALE 2=1	SHEET 1 OF 1