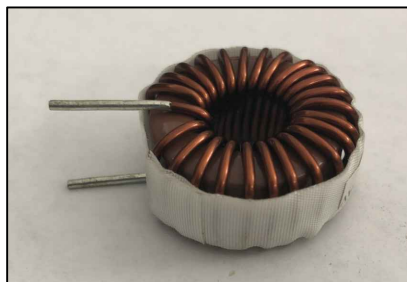
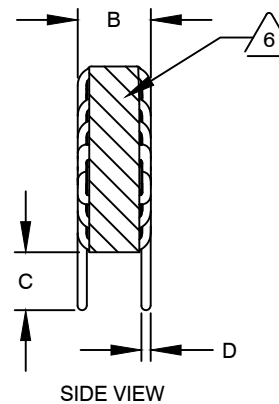
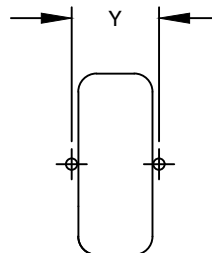
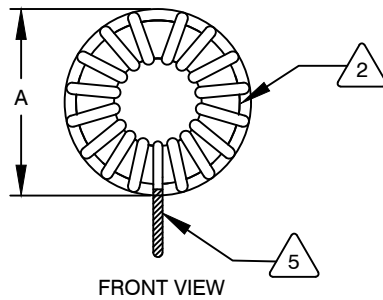
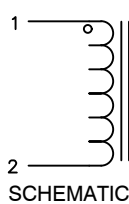


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DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	Y REF
1.300 [33.02]	.650 [16.51]	.500 [12.70]	.071 [1.40]	0.600 [15.24]

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	08/13/2020	JL	08/13/2020



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	45uH
2	45uH
6	44uH
10	42uH
13	41uH

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

WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 45 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 13 pF TYP @ SRF

SRF = 10 MHz TYPICAL

|Z| = 4.0 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 : 13 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW

DCR = 15.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 47 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS @ 25°C :

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

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 <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 W Grove Ave Orange, CA. 92865	
SOLIDWORKS							
SIGN		DATE		TITLE: TOROIDAL POWER INDUCTOR 47 uH, 13 Amps, Vertical			
DRAWN		KLC 10/01/2010					
CHECKED		AK 10/01/2010					
ENGR.		KLC 10/01/2010					
APPR.		KLC 10/01/2010					
				SIZE DWG. NO.		REV	
		B		MF270-470M-13AV		A1	
		SCALE		2=1		SHEET 1 OF 1	