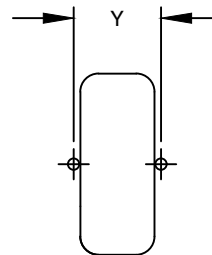
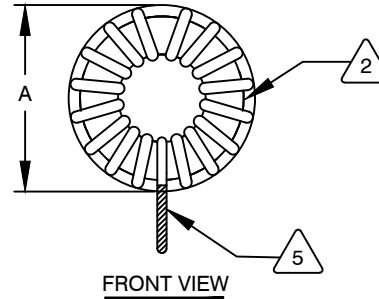
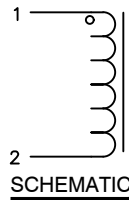


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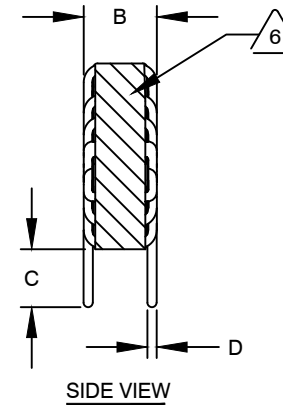


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	Y REF
1.300 [33.02]	.700 [17.78]	.500 [12.70]	.035 [0.90]	0.600 [15.24]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	KLC	10/01/2010	RL	10/01/2010
A1	—	UPDATED SPECS.	JZ	08/01/2020	JL	08/01/2020



MOUNTING HOLES PATTERN



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	476uH
1	464uH
2	449uH
3	438uH
4	396uH

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD

6 MARK PART NUMBER AND REVISION, IF APPLICABLE
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 WIND COILS EVENLY SPACED AROUND THE CORE
CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT
WEIGHT: 48 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 46.3 pF TYP @ SRF

SRF = 1.08 MHz TYPICAL

|Z| = 21.6 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 : 4.5 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW

DCR = 100.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 470 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS @ 25°C :

2 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 N (200°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 <1/16=±0.030	
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 <4=±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 470 uH, 4.5 Amps, Vertical		SIZE B		DWG. NO. MF270-471M-4.5AV		REV A1			
DRAWN		KLC										10/01/2010	
CHECKED		AK										10/01/2010	
ENGR.		KLC										10/01/2010	
APPR.		KLC										10/01/2010	
				SCALE		2=1		SHEET 1 OF 1					