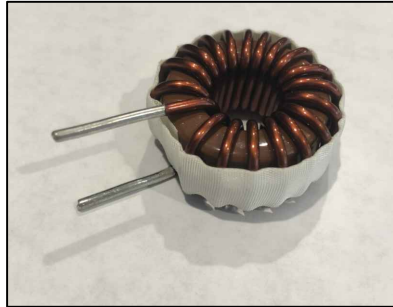
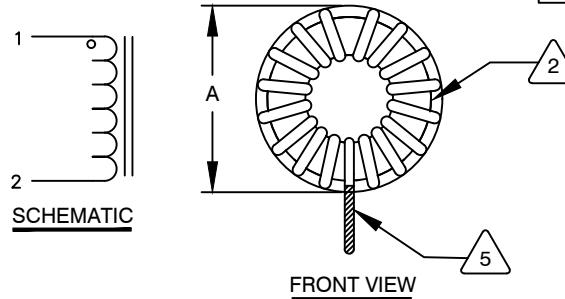


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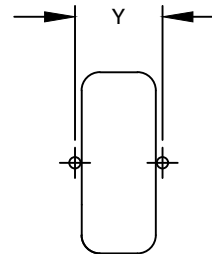
DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	Y REF
1.350 [34.29]	.650 [16.51]	.500 [12.70]	.071 [1.80]	0.600 [15.24]

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	08/01/2020	JL	08/01/2020

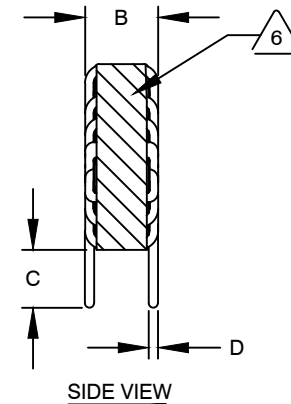


SCHEMATIC

FRONT VIEW



MOUNTING HOLES PATTERN



SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	27.1uH
5	26.7uH
10	25.5uH
15	24.8uH
20	23.3uH

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: 49 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 10.05 pF TYP @ SRF
SRF = 8.68 MHz TYPICAL
|Z| = 2.66 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 : 20 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW
DCR = 8.0 MILLI-OHMS MAX.
INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 27 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 <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	TITLE: TOROIDAL POWER INDUCTOR 27 uH, 20 Amps, Vertical
SOLIDWORKS	DATE		
DRAWN	KLC 10/01/2010		
CHECKED	AK 10/01/2010		
ENGR.	KLC 10/01/2010	SIZE DWG. NO. B MF270-270M-20AV	REV A1
APPR.	KLC 10/01/2010		
SCALE		2=1	SHEET 1 OF 1