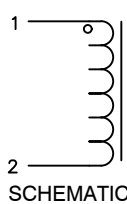


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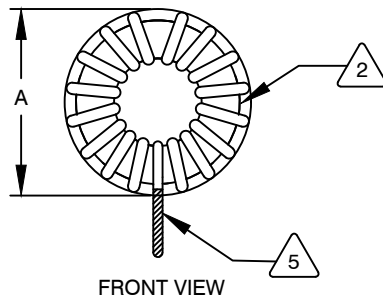


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	Y REF
1.300 [33.02]	.680 [17.27]	.500 [12.70]	.045 [1.15]	0.600 [15.24]

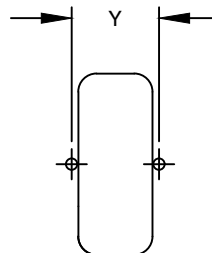
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	KLC	10/01/2010	AK	10/01/2010
A1	—	UPDATED SPECS.	JZ	08/09/2020	JL	08/09/2020



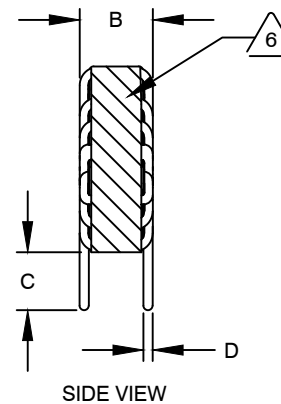
SCHEMATIC



FRONT VIEW



MOUNTING HOLES PATTERN



SIDE VIEW

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	221uH
1	221uH
3	215uH
5	203uH
7	189uH

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: 50 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 30.42 pF TYP @ SRF

SRF = 1.98 MHz TYPICAL

|Z| = 15.22 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 : 7 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW

DCR = 48.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 226 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

SPECIFICATIONS @ 25 °C :

WIRE: UL RECOGNIZED 200 °C RATED MAGNET WIRE

CORE: POWDERED TOROIDAL CORE, CWS BYTE MARK OR OTHER APPROVED PART

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 <X = ±0°30'	
TOLERANCE METRICS: .XXX = ±.127 .XX = ±.38 <X = ±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 220 uH, 7 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		MF270-221M-7AV		A1			
		SCALE		2=1		SHEET 1 OF 1			