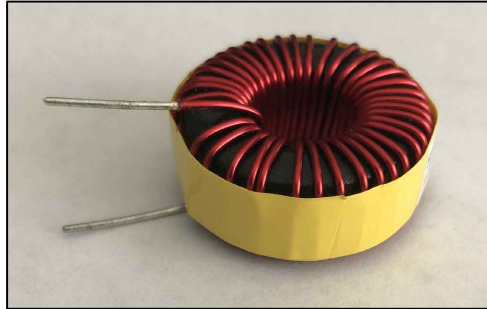
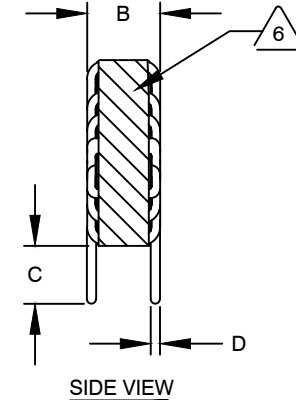
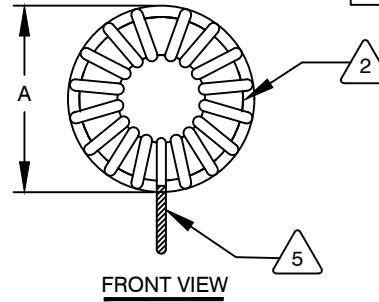
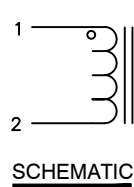


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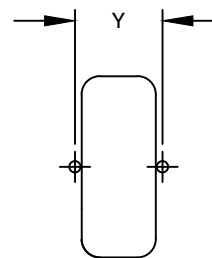
DIMENSIONAL TOLERANCES INCHES [MM]				
A	B	C	D	Y
MAX	MAX	MIN	REF	REF
1.20 [30.62]	.56 [14.40]	.50 [12.70]	.045 [1.15]	0.51 [13.15]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	JLL	03/24/2011		
B	-	ELECT. AND MECHAN. SPEC. CHANGE	GN	09/05/2012	JL	09/05/2012
B1	-	UPDATED SPECS.	JZ	08/05/2020	JL	08/05/2020



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	220uH
1	208uH
2	185uH
3	163uH
4	139uH
5	120uH



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: 34 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 16 pF TYP @ SRF
SRF = 2.6 MHz TYPICAL
|Z| = 17.2 KILO-OHMS TYP @ SRF

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 200°C
HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC 10 SEC
CURRENT RATING : 5 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW
DCR = 40.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 220 uH ± 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS: @ 25° C



WIRE: UL RECOGNIZED 155°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 B (130°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 $\angle = \pm 0^{\circ}30'$
TOLERANCE METRICS:
.XXX±.127 .XX±.38 $\angle = \pm 0^{\circ}30'$
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 220 uH, 5 Amps, Vertical		
DRAWN	KLC 10/06/2008			
CHECKED	CT 10/06/2008			
ENGR.	KLC 10/06/2008			
APPR.	KLC 10/06/2008	SIZE	DWG. NO.	REV
		B	SN270-221M-5AV	B1
		SCALE	2=1	SHEET 1 OF 1