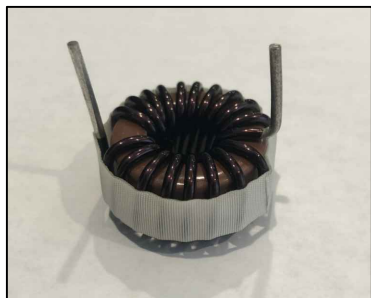
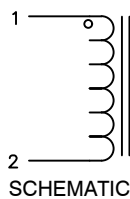


The information contained in this drawing is the sole property of CWS Coil Winding Specialist.
Any reproduction in part or whole without written permission of CWS Coil Winding Specialist is prohibited.



DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
1.350 [34.29]	.650 [16.51]	.500 [12.70]	.071 [1.80]	1.200 [30.48]



7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD

MARK PART NUMBER AND REVISION, IF APPLICABLE

6 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: 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 :

2 WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

CORE: POWDERED TOROIDAL CORE, CWS BYTEMARK OR OTHER APPROVED PART

1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS H (180°C MIN.) REQUIRED

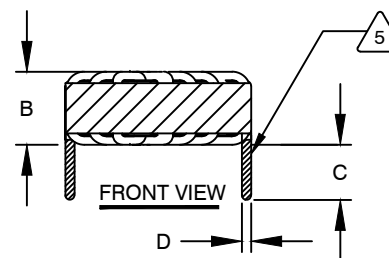
ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.

"TYP" IN DIM. TOL. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.

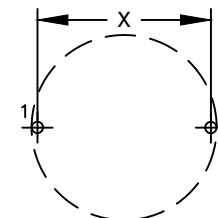
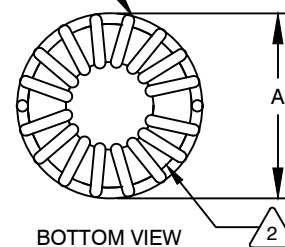
CAGE CODE: 5DME2

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



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



	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		
	DRAWN	KLC	10/01/2010	TITLE: TOROIDAL POWER INDUCTOR 27 uH, 20 Amps, Horizontal
	CHECKED	AK	10/01/2010	
50'	ENGR.	KLC	10/01/2010	
50'	APPR.	KLC	10/01/2010	
		SCALE	2=1	SHEET 1 OF 1

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	