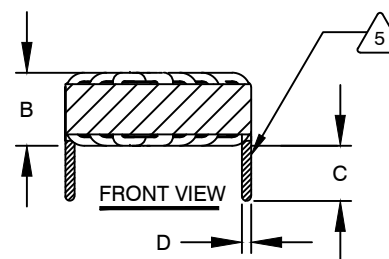
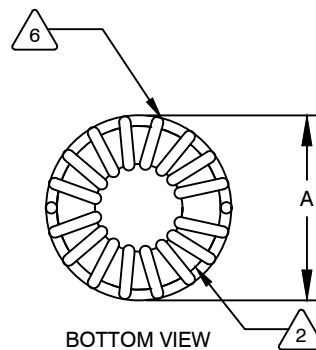
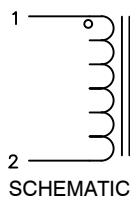


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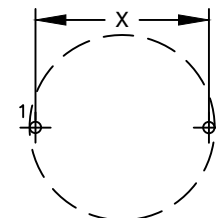
DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
1.378 [35.00]	.700 [17.78]	.500 [12.70]	.080 [2.03]	1.200 [30.48]

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	08/13/2020	JL	08/13/2020



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	10.5uH
5	10.4uH
15	10.2uH
25	9.7uH
30	9.2uH



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: 47 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 42 pF TYP @ SRF

SRF = 10 MHz TYPICAL

|Z| = 770 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 : 30 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW

DCR = 4.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 10.8 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 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		CWS Coil Winding Specialist. 353 W Grove Ave Orange, CA. 92865			
SOLIDWORKS							
SIGN		DATE		www.coilws.com			
DRAWN		KLC	10/01/2010	TITLE: TOROIDAL POWER INDUCTOR 10.8 uH, 30 Amps, Horizontal			
CHECKED		AK	10/01/2010				
ENGR.		KLC	10/01/2010				
APPR.		KLC	10/01/2010				
				SIZE DWG. NO.		REV	
				B MF270-110M-30AH		A1	
				SCALE		SHEET 1 OF 1	
				2=1			