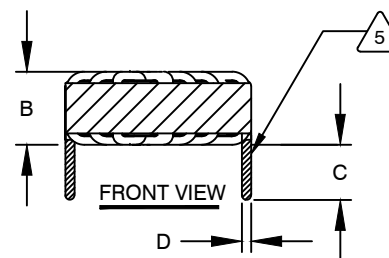
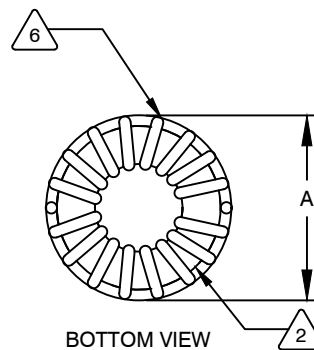
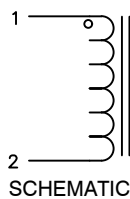


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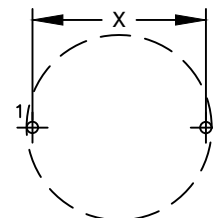


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
1.378 [35.00]	.750 [19.05]	.500 [12.70]	.051 [1.30]	1.300 [33.00]



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	113uH
2	111uH
4	110uH
6	105uH
8	101uH



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: 45 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 20.0 pF TYP @ SRF

SRF = 3.2 MHz TYPICAL

|Z| = 75.6 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 : 8 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW

DCR = 40 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 120 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

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	

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	KLC	01/29/2010	AK	01/29/2010
A1	—	UPDATED SPECS.	JZ	12/28/2020	JL	12/28/2020

		CODE IDENT	MFG. P/N	DESCRIPTION		ITEM NO.
PARTS LIST						
AUTOCAD		X		COILWS COM, INC CWS Coil Winding Specialist. www.coilws.com 353 W Grove Ave Orange, CA. 92865		
SOLIDWORKS						
SIGN		DATE				
DRAWN		KLC	01/29/2010	TITLE: TOROIDAL POWER INDUCTOR 120 uH, 8 Amps, Horizontal		
CHECKED		AK	01/29/2010			
ENGR.		KLC	01/29/2010			
APPR.		KLC	01/29/2010			
				SIZE DWG. NO.		REV
				B MF270-121M-8AH		A1
				SCALE 2=1		SHEET 1 OF 1