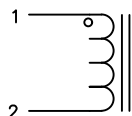


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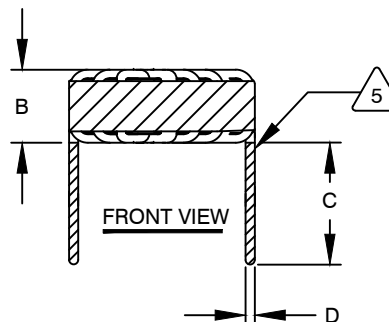


DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
1.25 [31.75]	0.60 [15.30]	0.50 [12.70]	0.044 [1.12]	1.19 [31.75]

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	JL	05/05/2011		
A1	—	UPDATED SPECS.	JZ	08/19/2021	JL	08/19/2021



SCHEMATIC



- 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: 38 GRAMS TYPICAL
INTERWINDING CAPACITANCE = 5.6 pF TYP @ SRF
SRF = 6.4 MHz TYPICAL
|Z| = 11 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 : 7.4 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW
DCR = 20.2 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 BYTE MARK OR OTHER APPROVED PART

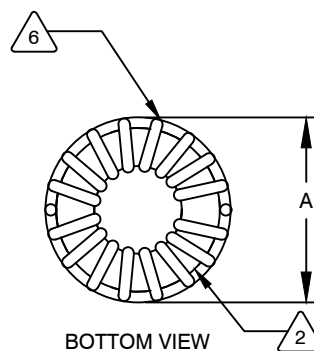
- 1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS H (180°C MIN.) REQUIRED

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

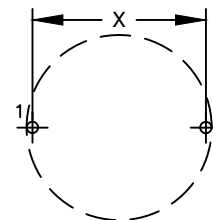
"TYP" IN DIM. TOL. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

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

CAGE CODE: 5DME2



BOTTOM VIEW



MOUNTING HOLES PATTERN

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	120uH
2	113uH
4	93.3uH
6	74.9uH
8	59.7uH

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		TITLE: TOROIDAL POWER INDUCTOR 120 uH, 7.4 Amps, Horizontal	
DRAWN		KLC 10/06/2008			
CHECKED		CT 10/06/2008			
ENGR.		KLC 10/06/2008			
APPR.		JLAU 05/03/2011		SIZE DWG. NO. SN270-121M-7.4AH	
				REV A1	
		SCALE 2=1		SHEET 1 OF 1	