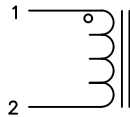


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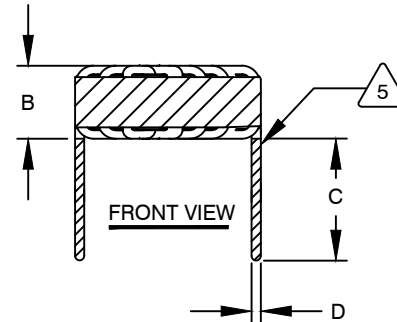


DIMENSIONAL TOLERANCES INCHES [MM]				
A	B	C	D	X
MAX	MAX	MIN	REF	REF
1.38	0.75	0.50	0.079	1.30
[35.00]	[19.05]	[12.70]	[2.00]	[33.00]

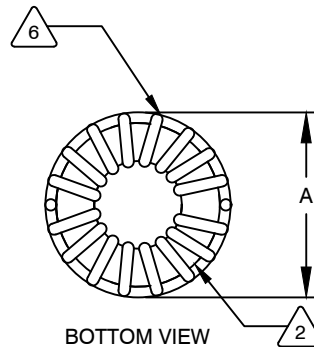
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	-	INITIAL RELEASE	KLC	07/09/2008	RL	07/09/2008
A1	-	UPDATED SPECS.	JZ	12/19/2020	JL	12/19/2020



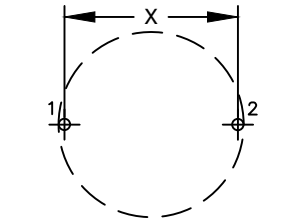
SCHMATIC



FRONT VIEW



BOTTOM VIEW



MOUNTING HOLES PATTERN

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	3.9uH
5	3.8uH
10	3.5uH
15	3.2uH
20	3.1uH
25	2.8uH
30	2.5uH

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: 35 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 110 pF TYP @ SRF

SRF = 10.0 MHz TYPICAL

|Z| = 258 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 : 26.3 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW

DCR = 2.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 3.9 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 \angle=±0°30'	
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 \angle=±0°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 W Grove Ave Orange, CA. 92865
SOLIDWORKS			
SIGN	DATE	TITLE: TOROIDAL POWER INDUCTOR 3.9 uH, 26.3 Amps, Horizontal	
DRAWN	07/09/2008		
CHECKED	07/09/2008		
ENGR.	07/09/2008		
APPR.	07/09/2008	SIZE DWG. NO. B SN270-3R9M-26.3AH	REV A1
SCALE		2=1	SHEET 1 OF 1