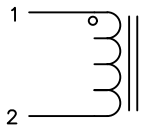


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SCHEMATIC

8 BUILT TO RoHS COMPLIANCE AND LEAD FREE

7 POT COIL IN POTTING CUP AS SHOWN

6 LABEL PART NUMBER, REVISION AND DATE CODE

5 REMOVE INSULATION AND TIN LEADS

4 WIND COILS EVENLY SPACED AROUND THE CORE CONSTRUCTION:

SRF: GREATER THAN 10MHz

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 155°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC MIN

CURRENT RATING : 22 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 2.0 MILLI-OHMS MAX.

INDUCTANCE @ DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 5.0uH ± 12% @ 0 AMP DC BIAS, 1.0 KHz, 250mV

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 B (130°C MIN.) REQUIRED

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

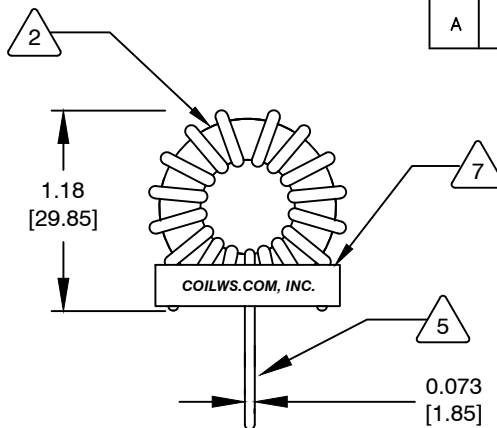
"TYP" IN ALL THE DIM. REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

NOTE 2: UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TYPICAL.

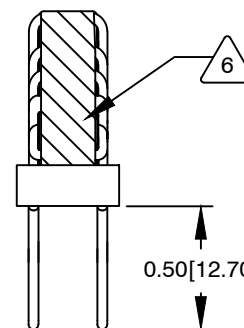
NOTE 1: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.

CAGE CODE: 5DME2

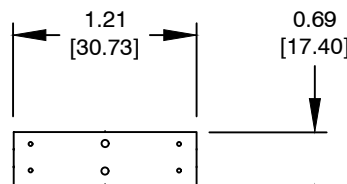
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		INITIAL DRAWING RELEASE	TN	01/23/2021	JL	01/23/2021



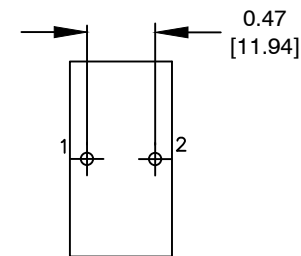
FRONT VIEW



SIDE VIEW



FRONT VIEW



MOUNTING HOLES PATTERN

DC BIAS TABLE

DC BIAS (AMP)	L@ 1KHz (REF)
0	5.4uH
5	5.2uH
10	5.1uH
15	5.1uH
20	5.0uH
22	4.8uH

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X	COILWS COM, INC www.coilws.com	CWS Coil Winding Specialist. 1510 E. Edinger Ave. Unit B. Santa Ana, CA. 92705
SOLIDWORKS			
DRAWN	TN 01/23/2021	TITLE: Toroidal Power Chokes Toroid Inductor	
CHECKED	JM 01/23/2021		
ENGR.	JL 01/23/2021		
APPR.	JL 01/23/2021		
SIZE	B	DWG. NO.	MHF203-050M-22A
SCALE	2=1	REV	A
			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 $\angle = \pm 0^{\circ}30'$	
TOLERANCE METRICS: .XXX=±.127 .XX=±.38 $\angle = \pm 0^{\circ}30'$	
ANGLE PROJECTION	
DO NOT SCALE DRAWING	