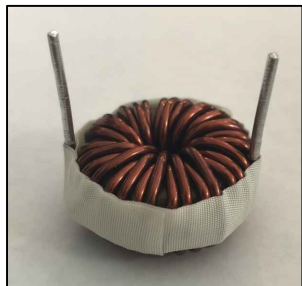
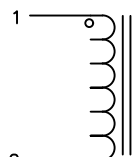


The information contained in this drawing is the sole property of CWS Coil Winding Specialist.
Any reproduction in part or whole without written permission of CWS Coil Winding Specialist is prohibited.



DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
1.375 [34.92]	.787 [20.00]	.500 [12.70]	.072 [1.83]	1.250 [31.75]



SCHEMATIC

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE.

USING A PERMANENT MARKING METHOD

MARK PART NUMBER AND REVISION, IF APPLICABLE,

WRAP INDUCTOR WITH 3M # 79 OR EQUAL

(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 CONSTRUCTION: WIND COILS EVENLY SPACED AROUND THE CORE

WEIGHT: 58 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 22.8 pF TYP @ SRF

SRF = 4.35 MHz TYPICAL

|Z| = 4.8 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 : 20 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 11.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 70 μ H $\pm$ 15% @ 0 AMP DC BIAS, 1.0 KHz, 300mV

3 SPECIFICATIONS: @ 25° C

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE

CORE: HIGH POWDERED TOROIDAL CORE, CWS BYTEMARK OR OTHER APPROVED PART

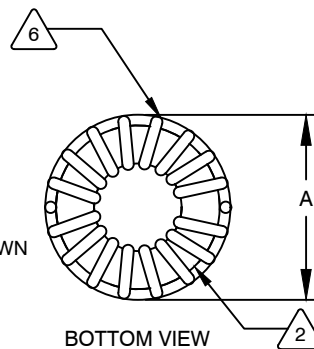
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS F (155°C MIN.) REQUIRED

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

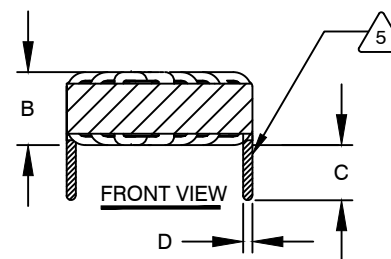
"TYP" IN DIM. TOL. REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

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

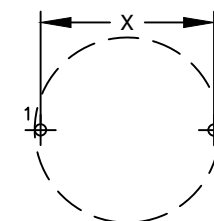
CAGE CODE: 5DME2



BOTTOM VIEW



FRONT VIEW



MOUNTING HOLES PATTERN

DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	65.3uH
5	64.9uH
10	60.7uH
15	54.6uH
20	49.8uH

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A	—	INITIAL RELEASE	GN	08/03/2011	JL	08/03/2011
B	140721	DCR CHANGED	AK	07/21/2014	BO	07/21/2014
B1	—	UPDATED SPECS.	JZ	08/01/2020	JL	08/01/2020

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X	COILWS COM, INC www.coilws.com CWS Coil Winding Specialist. 353 WEST GROVE ORANGE, CA 92865	TITLE: TOROIDAL POWER INDUCTOR 70 μ H, 20 Amps, Horizontal
SOLIDWORKS			
SIGN	DATE		
DRAWN	GN 08/03/2011		
CHECKED	JLAU 08/03/2011		
ENGR.	JLAU 08/03/2011	SIZE DWG. NO. B MF270-700M-20AH	REV B1
APPR.	JLAU 08/03/2011		
SCALE		2=1	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 <1=±0°30'
TOLERANCE METRICS:	.XXX=±.127 .XX=±.38 <1=±0°30'
ANGLE PROJECTION	
DO NOT SCALE DRAWING	