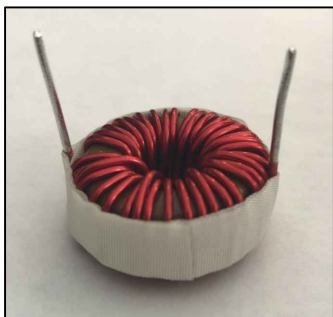
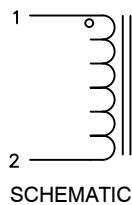


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DIMENSIONAL TOLERANCES INCHES [MM]				
A MAX	B MAX	C MIN	D REF	X REF
1.300 [33.02]	.700 [17.78]	.500 [12.70]	.051 [1.30]	1.200 [30.48]



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: 47 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 7.6 pF TYP @ SRF

SRF = 5.7 MHz TYPICAL

|Z| = 7.5 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 : 10 AMPS, 40°C TEMP. RISE WITH SOME AIR FLOW

DCR = 23.0 MILLI-OHMS MAX.

INDUCTOR DC BIAS: SEE TABLE ON THE RIGHT

INDUCTANCE = 100 uH ± 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

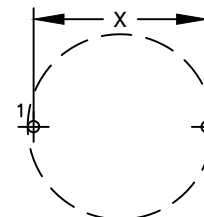
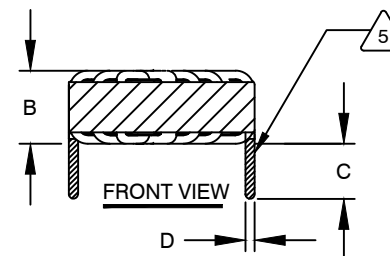
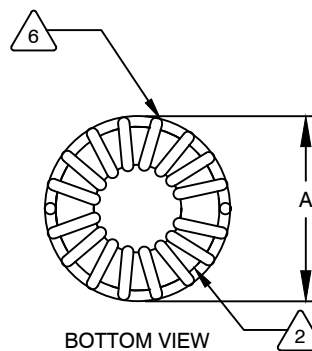
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS H (180°C MIN.) REQUIRED

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



DC BIAS TABLE

DC BIAS (AMP)	L @ 1.0 KHz
0	126uH
2	125uH
4	123uH
6	118uH
8	109uH
10	100uH

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
SOLIDWORKS				
SIGN	DATE			
DRAWN	KLC	05/10/2010	TITLE: TOROIDAL POWER INDUCTOR 100 uH, 10 Amps, Horizontal	
CHECKED	AK	05/10/2010		
ENGR.	KLC	05/10/2010		
APPR.	KLC	05/10/2010		
		SIZE	DWG. NO.	REV
		B	MF270-101M-10AH	B1
		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 <X=±0°30' TOLERANCE METRICS: .XXX=±.127 .XX=±.38 <X=±0°30' ANGLE PROJECTION DO NOT SCALE DRAWING	