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REVISION HISTORY

ECO	REV	DESCRIPTION	DATE	APPROVED
E240615	1	RELEASED	12/5/24	MGR

Technical drawing of a toroid inductor. The top view shows a circular core with a diameter of  $\phi 1.680$  max. and a length of  $4.250^{+0.250}_{0.000}$ . The side view shows a toroid with a height of  $0.650$  max. and two leads extending from the left side.

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIALS:
  - CORE: TOROID- 1.300X.785X.420 (IRON POWDER-LOW LOSS, U=60)  
MAGNETICS: 77071-A7
  - WIRE: U.L. RECOGNIZED 130C (MIN) RATING MAGNET WIRE SOLDERABLE
  - OUTERWRAP UL RECOGNIZED (UL 510)  
PERMASIL: #213, #286 OR 3M #69
  - 150 WIRE TURNS, 20AWG WIRE.
- SPECIFICATIONS
  - $L=1.38\text{mH} \pm 25\%$  @ 1mA, MIN/COIL (1KHZ, <1Vrms)
  - $L=.45\text{mH}$  TYPICAL @ 6 ADC BIAS, 1KHZ  
TEST FREQUENCY
  - DCR-.25 OHMS MAX
- CONSTRUCTION
  - WIND COIL EVENLY SPACED
  - WRAP INDUCTOR WITH TAPE. (PER NOTE 1.3).  
MARK NUMBER AND REVISION IN (BLACK), USING A PERMANENT PARKING METHD.

3D CAD model of the toroid inductor, showing the toroid core and two leads. The model is rendered in red and grey.

NOTE: CERTIFICATION OF MATERIAL COMPLIANCE REQUIRED

DRAWN		DATE					
DAVID		05/04/2010					
MATERIAL		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE INCH [MM] TOLERANCES ARE: DECIMALS      ANGLES X.XX [X.X] = $\pm 0.01$ [0.25] $\pm 1^\circ$ X.XXX [X.XX] = $\pm 0.005$ [0.127]		<b>INDUCTOR TOROID</b> <b>1MH 4A 1.68 DIA X 0.65 WIDE</b>			
FINISH							THIRD ANGLE PROJECTION
XXXXX				<b>B</b>	<b>67131</b>	<b>36-00036</b>	<b>1</b>
XXXXX		DO NOT SCALE DRAWING		SCALE 1 : 1		SHEET 1 OF 1	

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