

## Switchmode/High Frequency Toroidal Inductor

# FIT106-1

## **Description:**

The FIT106-1 toroidal inductor is specifically designed to minimize transients. It stores energy and therefore, conditions the output signal by leveling the current waveform providing a more stable current supply. Generally used in high frequency circuits, its standard design provides an economical solution in differential mode applications or as an output inductor.

## **Electrical Specifications (@25C):**

Min. Induc	tance (µH)	Rated	Max	
No Bias	No Bias At Bias		DCR (mΩ)	
253.0	153.0	4.0	139.0	

Note: No Bias inductance measured at .25V, 10KHZ.

### **Dimensions:**

Α	В	С	D	E	F	G
1.30	.725	1.40	.500	.724	.125	.026±.003

Units: In inches

Weight: .090 lbs.

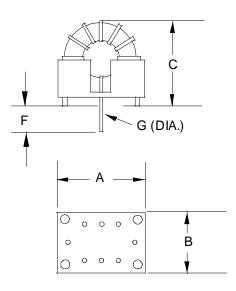
#### **Technical Notes:**

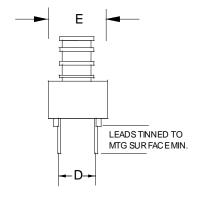
- 1. Nominal inductance values are typically 10% higher than minimal rating.
- 2. Biased inductance measured at rated DC amps.
- 3. Operation at rated current yields approximately 40°C temperature rise over 20°C ambient.
- 4. Operating Temperature: -40°C to +85°C

**RoHS Compliance:** As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

\*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see http://www.triadmagnetics.com/faq.html







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