

## Switchmode/High Frequency Toroidal Inductor

# FIT106-6

### **Description:**

The FIT 106-6 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 DCR (mΩ)	
No Bias	At Bias	DC Amps		
70.05	35.30	9.7	24.0	

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

#### **Dimensions:**

Α	В	С	D	Е	F	G
1.30	.725	1.40	.500	.724	.125	.045±.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.
- Operation at rated current yields approximately 40°C temperature rise over 20°C ambient.

**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

\* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.





