

## Switchmode/High Frequency Toroidal Inductor

# **FIT44-1**

### **Description:**

The FIT44-1 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)	
18.85	12.72	2.8	44.8	

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

#### **Dimensions:**

Α	В	С	D	Е	F	G
.625	.350	.700	.250	.350	.125	.020±.003

Units: In inches

Weight: .008 lbs.

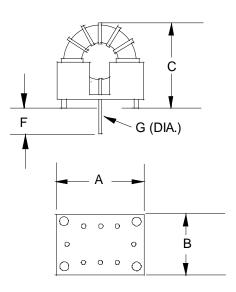
#### **Technical Notes:**

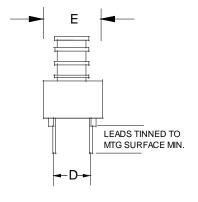
- 1. Nominal inductance values are typically 10% higher than minimal rating.
- 2. Biased inductance measured at rated DC amps.
- 3. Operation at rated current yields approximately 40°C temperature rise over 20°C ambient.

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

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