

# Switchmode/High Frequency Toroidal Inductor

# FIT50-7

## **Description:**

The FIT50-7 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. Induct	tance (µH)	Rated	Max
No Bias	At Bias	DC Amps	DCR (mΩ)
8.86	4.80	8.1	11.0

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

### **Dimensions:**

Α	В	С	D	Е	F	G
.700	.475	.750	.300	.474	.125	.040±.003

Units: In inches

Weight: .012 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

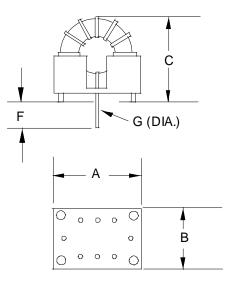
**RoHS Compliance:** As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

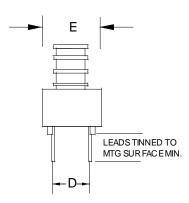
\*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see http://www.triadmagnetics.com/faq.html

Web: www.TriadMagnetics.com Phone 951-277-0757 Fax 951-277-2757

460 Harley Knox Blvd. Perris, California 92571







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