

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	At Bias	DC Amps	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.

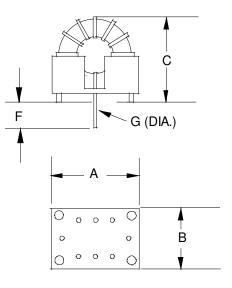
RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

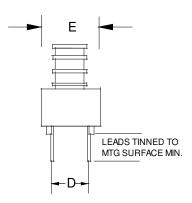
*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see http://www.triadmagnetics.com/faq.html

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Publish Date: June 7, 2016