

Switchmode/High Frequency Toroidal Inductor

FIT50-1

Description:

The FIT50-1 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. Inductance (µH) | | Rated | Max |
|----------------------|---------|---------|----------|
| No Bias | At Bias | DC Amps | DCR (mΩ) |
| 47.40 | 29.00 | 2.8 | 78.9 |

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

Dimensions:

| Α | В | С | D | Е | F | G |
|------|------|------|------|------|------|-----------|
| .700 | .475 | .750 | .300 | .474 | .125 | .020±.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.

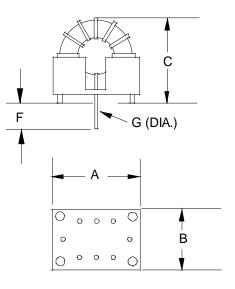
RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

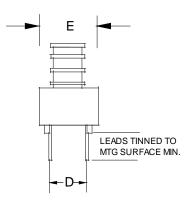
*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see http://www.triadmagnetics.com/faq.html

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Publish Date: June 7, 2016