

FIT106-6

Description:

The FIT106-6 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 (@25°C):

| Min. Inductance (μH) | | Rated DC Amps | Max DCR (mΩ) |
|----------------------|---------|------------------|-----------------|
| No Bias | At Bias | | |
| 70.05 | 35.30 | 9.7 | 24.0 |

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

Dimensions:

| A | B | C | D | E | 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.
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>

