

### 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 ( $\mu$ H)		Rated	Max
No Bias	At Bias	DC Amps	DCR (m $\Omega$ )
47.40	29.00	2.8	78.9

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

#### Dimensions:

A	B	C	D	E	F	G
.700	.475	.750	.300	.474	.125	.020 $\pm$ .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 2002/95/EC, known as the RoHS initiative.

\* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

