

### 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. Inductance ( $\mu\text{H}$ )		Rated	Max
No Bias	At Bias	DC Amps	DCR ( $\text{m}\Omega$ )
18.85	12.72	2.8	44.8

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

#### Dimensions:

A	B	C	D	E	F	G
.625	.350	.700	.250	.350	.125	.020 $\pm$ .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..

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