

# FIT68-2-B Datasheet



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DiGi Electronics Part Number	FIT68-2-B-DG
Manufacturer	<a href="#">Triad Magnetics</a>
Manufacturer Product Number	FIT68-2-B
Description	FIXED IND 71.1UH 3.4A 86.1 MOHM
Detailed Description	71.1 $\mu$ H Unshielded Toroidal Inductor 3.4 A 86.1 mOhm Max Radial, Vertical (Open)

This model FIT68-2-B is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

FIT68-2-B

**Series:**

FIT

**Type:**

Toroidal

**Inductance:**71.1  $\mu$ H**Current Rating (Amps):**

3.4 A

**Shielding:**

Unshielded

**Q @ Freq:**

-

**Ratings:**

-

**Inductance Frequency - Test:**

10 kHz

**Package / Case:**

Radial, Vertical (Open)

**Size / Dimension:**

0.875" L x 0.475" W (22.22mm x 12.07mm)

**Manufacturer:**

Triad Magnetics

**Product Status:**

Active

**Material - Core:**

Iron Powder

**Tolerance:**

-

**Current - Saturation (Isat):**

-

**DC Resistance (DCR):**

86.1mOhm Max

**Frequency - Self Resonant:**

-

**Operating Temperature:**

-40°C ~ 85°C

**Mounting Type:**

Through Hole

**Supplier Device Package:**

-

**Height - Seated (Max):**

0.950" (24.13mm)

## Environmental & Export classification

**RoHS Status:**

ROHS3 Compliant

**REACH Status:**

REACH Unaffected

**HTSUS:**

8504.50.4000

**Moisture Sensitivity Level (MSL):**

Not Applicable

**ECCN:**

EAR99



## Switchmode/High Frequency Toroidal Inductor

### FIT68-2

#### Description:

The FIT68-2 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 DC Amps	Max DCR (m $\Omega$ )
No Bias	At Bias		
71.10	41.59	3.4	86.1

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

#### Dimensions:

A	B	C	D	E	F	G
.875	.475	.950	.300	.474	.125	.023 $\pm$ .003

Units: In inches

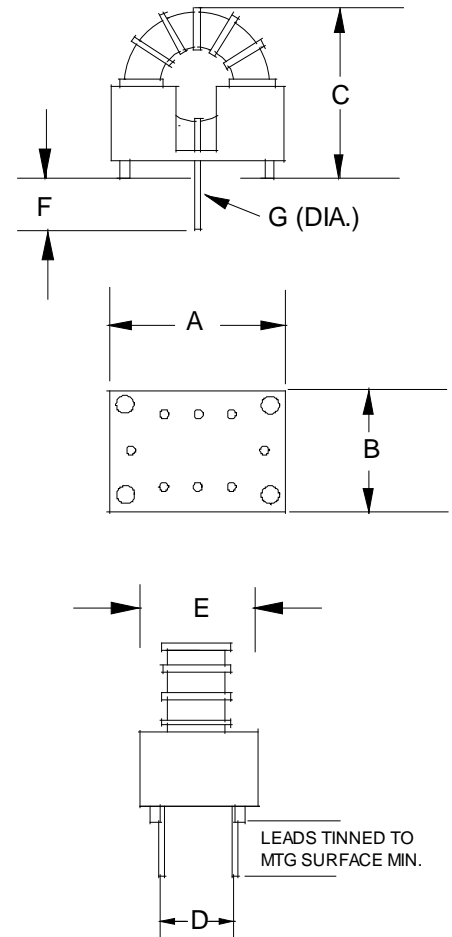
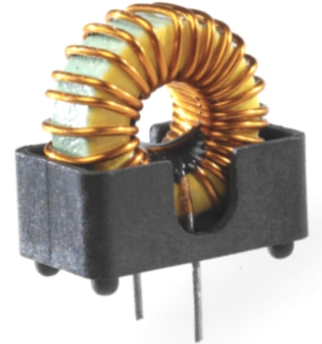
**Weight:** .026 lbs.

#### 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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