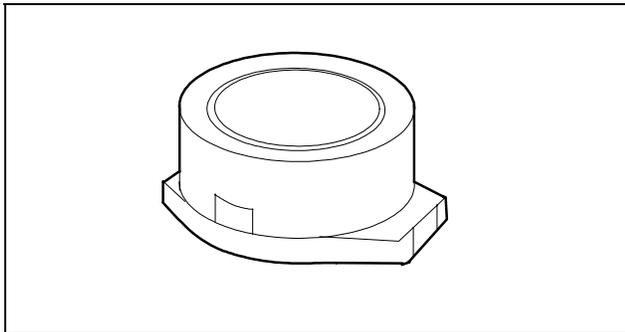


OUTLINE DIMENSIONS/RECOMMENDED PCB LAYOUT (inch/mm)



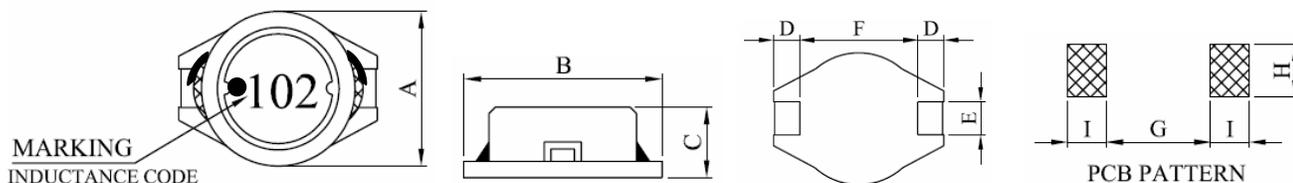
OUTLINE

Slim type.
Self shielded.
Height: 6mm Max.
Low resistance.
Excellent DC current characteristics.

APPLICATIONS

Laptop and Notebook computers and PDAs.
DC/DC converters.
Inductor for general purpose use.

| Part No. | A | B | C | D | E | F | G | H | I |
|-------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| AX1005-102K | 0.394 10.00 | 0.500 12.70 | 0.193 4.90 | 0.095 2.40 | 0.087 2.20 | 0.299 7.60 | 0.287 7.30 | 0.110 2.80 | 0.118 3.00 |



SPECIFICATIONS

| Part Number | Inductance (uH± 10%) (Note 1) | Q REF | SRF (MHZ) TYP. | DC Resistance (Ωmax) | Rated Current(Amp) (Note 2) |
|-------------|----------------------------------|-------|-------------------|----------------------|--------------------------------|
| AX1005-102K | 1000.0 | 70 | 2.0 | 3.20 | 0.22 |

Note:1.Inductance measured at 1V, 100.0KHz without DC current.

2.Rated DC current is the approximate current at which inductance will be decreased by 10% from its initial (zero DC) value or the DC current at which $\Delta T=40^{\circ}\text{C}$, whichever is lower.

Storage Temp: -40 to 125°C

Operating Temp: -40 to 85°C

Resistance to Solder Heat: 260°C for 10 sec. Max

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.

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