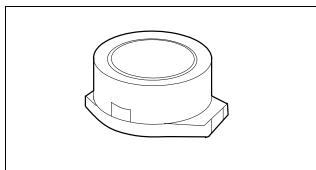


SMD Power Inductors AX1005-Series

OUTLINE DIMENSIONS/RECOMMENDED PCB LAYOUT (inch/mm)



OUTLINE Stime frame

Slim type. Self shielded. Height: 6mm Max. Low resistance.

Excellent DC current characteristics.

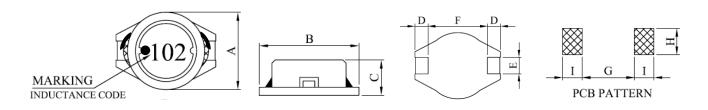
APPLICATIONS

Laptop and Notebook computers and PDAs.

DC/DC converters.

Inductor for general purpose use.

Part No.	Α	В	С	D	Е	F	G	Н	- 1
AX1005-102K	0.394	0.500	0.193	0095	0.087	0.299	0.287	0.110	0.118
	10.00	12.70	4.90	2.40	2.20	7.60	7.30	2.80	3.00



SPECIFICATIONS

Part	Inductance	Q	SRF	DC	Rated
Number	(uH± 10%)	REF	(MHZ)	Resistance	Current(Amp)
	(Note 1)		TYP.	(Ωmax)	(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 \triangle T=40°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 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

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