

Feature

1. Very low cost.
2. Shielded construction.
3. High current rating up to DC 40 Amp.
4. High frequency range up to 1.0 MHz.
5. Very low DC resistance.
6. All lead-free. (RoHS)

Application

1. Motherboards for laptop and desktop computers.
2. DC/DC converter in distributed power systems or VRM applications.
3. Inductor for general purpose use.

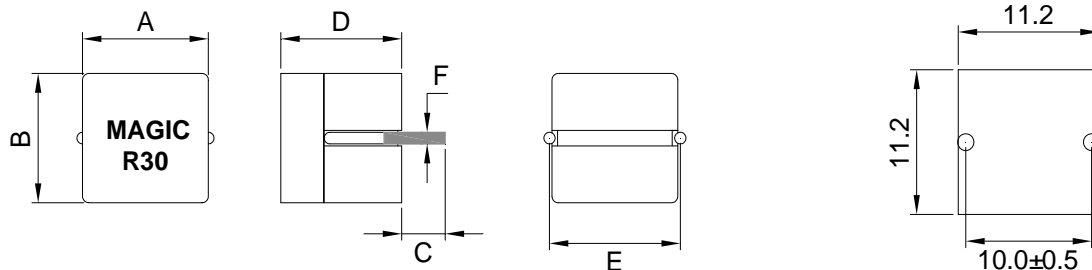
Product Identification

AIH 1009 M - R30 M - P12

1 2 3 4 5 6

1. Series Name.
2. Dimension.
3. Core material.
4. Inductance. (See Details)
5. Tolerance. (See Details)
6. Wire diameter.

Configurations & Dimensions



Unit: mm

PCB Pattern

Series Name	A	B	C	D	E
AIH1009M	10.7 max.	10.7 max.	3.5 ± 0.5	9.7 max.	10.0 ± 0.5

※ Please contact with our sales department for detail dimension and recommend PCB layout.

Electrical Characteristics / AIH1009

System Number	Part Number	Inductance (μH)	Test Condition (Volt / Hz)	DCR (mΩ) @25°C ± 8%	Temperature Rise Current Max. (mA)	Saturation Current Max. (mA)
WP60D0101-00	AIH1009M-R25M-P12	0.25	1.0 / 100K	0.40	60,000	45,000
WP60D0102-00	AIH1009M-R30M-P12	0.30	1.0 / 100K	0.40	60,000	40,000

Note:

1. Temperature Rise Current that will cause temperature rise approximate 40°C without core loss. (Ta=25±5°C)
2. Saturation Rated Current that will cause initial inductance value approximately 20% rolloff. (Ta=25±5°C)