

HA66 Series—SMD Power Inductor



Fast Facts

Features:

- 155°C operation
- AEC-Q200 certified
- 4.4 amps max. rated current
- Temperature rise, maximum 40°C
- Operating frequency up to 3MHz
- Magnetically shielded
- Low DC resistance
- High saturation
- Very compact
- Low profile, low loss



Description:

The HA66 series is a low profile, low loss, ferrite-based inductor designed with a wide range of inductances and package sizes. It is very compact, magnetically shielded, and has low DC resistance and high saturation current. This part is able to meet an operating temperature of 155°C. It is suited for high power density applications where size is critical. This series is ideal for high efficiency DC-DC converters using high switching frequencies to 3MHz as well as EMI and low pass DC filter. This part is AEC-Q200 certified, assuring performance and reliability levels that automotive applications and high reliability industrial applications demand.

Applications:

Bulk DC-DC converter for automotive applications

- Transportation
 - Powertrain
 - Engine control
 - Transmission control
 - LED driver
 - ABS breaking system
 - EPS
 - Radar system
 - Camera control system
- Industrial
 - Automation system
 - DC-DC converters

TT Electronics is a global provider of engineered electronics for performance critical applications.

Our magnetic components, under the BI Technologies brand, have been used in numerous applications since we introduced our initial range of wound transformers and inductors to the power conversion market in 1987. Our current range of magnetic components includes both power and signal products. We offer a range of transformers, inductors, and chokes for applications in transportation, industrial, medical, and aerospace/defense fields.

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General Note

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