

HA72L Series — Power Inductors



Fast Facts

Features:

- Operating temperature of -55°C - 155°C
- AEC-Q200 certified
- 80 amps max. current
- 3 MHz frequency performance
- Low core loss
- Magnetically shielded
- Optimized design
- Lower noise and EMI
- Wider range of package sizes



Description:

HA72L series molded inductors are designed with the latest composite molded core materials to maximize inductance, temperature performance and saturation current while minimizing DC resistance and physical size. The result is a compact, surface mount component that operates in demanding environments with saturation currents up to 80 amps. It is mechanically robust, magnetically shielded and resists corrosion in humid environments.

The HA72L series has been designed as a 155°C high temperature rated molded inductor for high stress environments that require high current saturation levels. It is ideal for high power density applications where size is critical and AEC-Q200 performance is certified.

Ideal for high efficiency DC-DC converters using high switching frequencies to 3 MHz as well as EMI and low pass DC ripple filters in high temperature environments. Molded inductors deliver clean power in a small, lightweight surface mount package. AEC-Q200 certification assures performance and reliability levels that automotive applications demand.

Applications:

- Transportation
 - Lighting
 - Engine control
 - Transmission control
 - Powertrain
 - Braking
 - Electric power steering

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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