

## Fast Facts

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### HA72E-06 SERIES – MOLDED INDUCTOR

The HA72E-06 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 is AEC-Q200 certified.

It is targeted at transportation designers of dc-dc converters who require a buck, boost, or buck-boost inductor for voltage regulation at fast switching frequencies up to 3MHz. It can be used as a filter inductor for EMI noise reduction.



#### Market Segments

- Powertrain
- Transmission Control
- Chassis
- Lighting
- Braking
- Electric Power Steering
- Safety

#### Features

- High Saturation Current per Unit Volume
- Operating Temperature: -40°C to +155°C
- Rust Resistant
- Low DCR
- Low Core Loss
- Magnetically Shielded
- Robust Construction
- AEC-Q200 Automotive Certification

#### Applications

- DC-DC Converters
- Low pass Ripple Current Filters
- EMI Filters

#### Benefits

- High operating temperature allows for higher ambient or higher temperature rise in circuit design
- Moisture resistant - molded body will not rust
- High power density can save board space and reduce weight for fuel cost savings