HM/HA73E-10 Series

Shielded Surface Mount Inductors

Features:

- Rated current up to 65 amps
- Compact size
- Rugged, shielded construction
- Lowest DCR/µH in its package size
- Handles high transient current spikes without saturation
- Ultra-low buzz noise
- AEC-Q200 certified
- -50°C to +155°C operation
- RoHS compliant
- Ideal for high temperature, high power applications

Description:

HM/HA73E-10 Series surface mount inductor is a miniature power inductor targeted for high reliability automotive and industrial applications. It is ideal for use in high temperature, high power automotive applications. Its mechanically robust design maximizes the inductance and high saturation current for better performance.

The part is magnetically shielded for lower DC resistance. The series offers a higher saturation current capability and low temperature rise performance. The inductors are well suited for high power density applications such as high efficiency DC-DC converters with rated current up to 65 amps. The HA73E-10 is AEC-Q200 certified to assure performance and reliability levels that automotive applications demand.

Applications:

- Transportation
  - Powertrain
  - Engine control
  - Transmission control
- Industrial
  - Switch mode power supply
  - Automation system
  - DC/DC converters

Benefits:

- Cost savings in comparison to toroidal design
- Shielded construction offers excellent resistance to corrosion
- Compact size offers space saving on the PCB
- Automotive-ready due to AEC-Q200 certification, at no extra charge
- Lower weight results in less fuel consumption

Our Advantage:

For this particular series, we can offer custom design tweaks per individual customer requirements. This product offers superior performance in a compact package.

For our full product portfolio, in-house & local design support / distribution partners, visit:
http://www.ttelectronics.com/node/18209

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