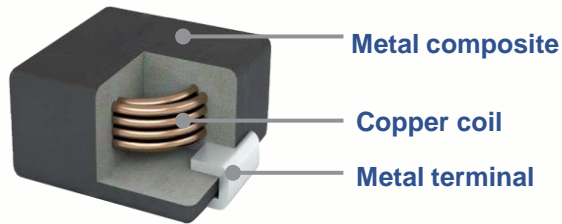


Overview

METCOM power inductors are ideal for automotive designs using DC to DC switching power supplies as well as EMI filter. KEMET's metal composite has high saturation characteristics ideal for applications requiring stable inductance across temperature and current..

Construction



Benefits

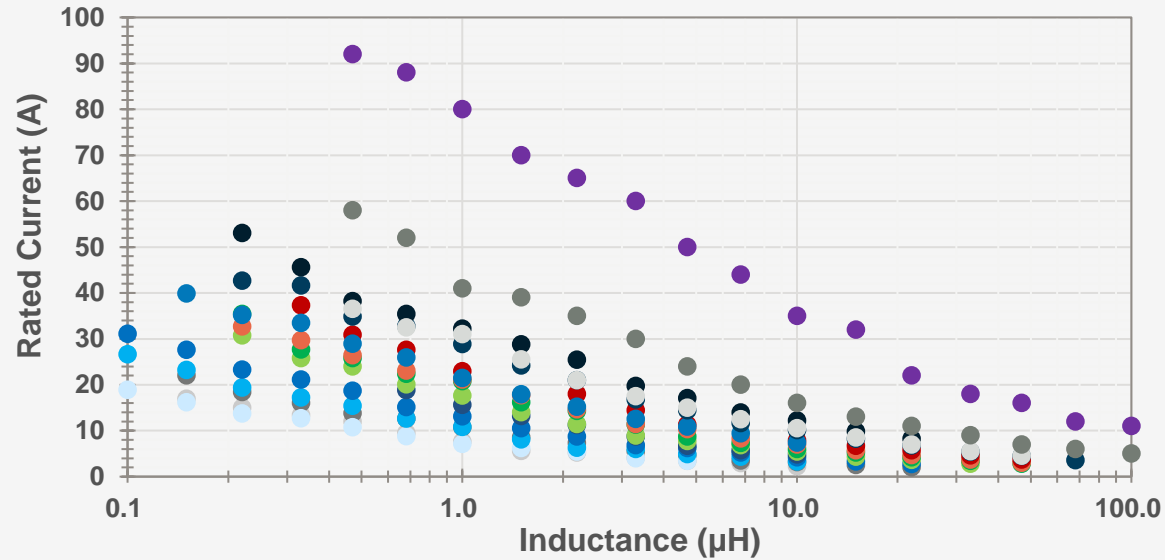
- Metal composite powder
- Shielded construction, SMD configuration
- Inductance range from 0.1 to 100 μH
- Operating temperature up to +155°C
- Low acoustic noise
- Low magnetic flux leakage
- AEC-Q200 qualified

Electrical Characteristics

- Rated inductance range: 0.1 to 100 μH at 100 kHz ($\pm 20\%$ tol.)
- Rated DCR: 0.48 to 341.2 m Ω maximum
- Rated current range: 2 to 90 A
- Operating temperature: -55°C to +155°C



Selection Guide



Applications

- Input filtering (π or LC)
- Buck- or boost SMPS
- DC/DC output filtering
- LED front lighting
- Battery management
- Small drives for water pumps and power steering
- Autonomous drive and ADAS
- Display and multimedia

