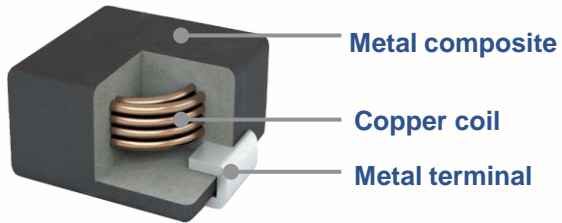


METCOM MPX Series

Overview

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

Construction



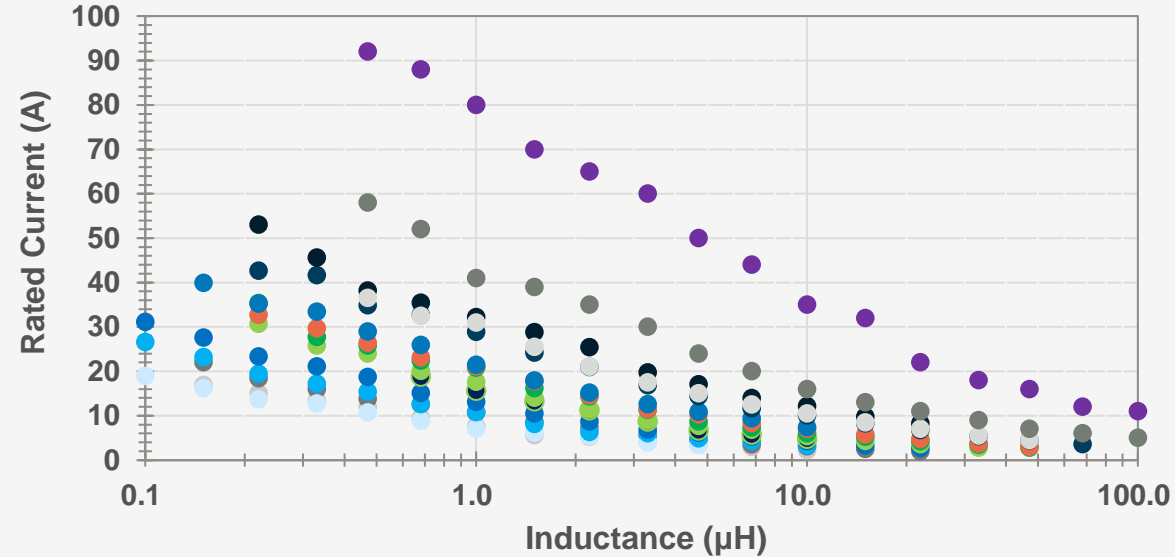
Benefits

- 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

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



| 5x5 mm | Height | 10x10 mm | Height |
|--------|--------|----------|---------|
| D0520 | 2.0 mm | D1040 | 4.0 mm |
| D0520 | 3.0 mm | | |
| 6x6 mm | Height | 12x12 mm | Height |
| D0618 | 1.8 mm | D1235 | 3.5 mm |
| D0624 | 2.4 mm | D1250 | 5.0 mm |
| D0630 | 3.0 mm | D1264 | 6.4 mm |
| D0650 | 5.0 mm | | |
| 8x8 mm | Height | 17x17 mm | Height |
| D0830 | 3.0 mm | D1740 | 4.0 mm |
| D0840 | 4.0 mm | D1770 | 7.0 mm |
| | | 22x22 mm | Height |
| | | D2240 | 13.0 mm |

Applications

- High frequency DC-DC converters, including WBG GaN applications
- PCs and servers
- Points of loads (POL)
- Field-programmable gate arrays (FPGA)
- Battery powered regulators

