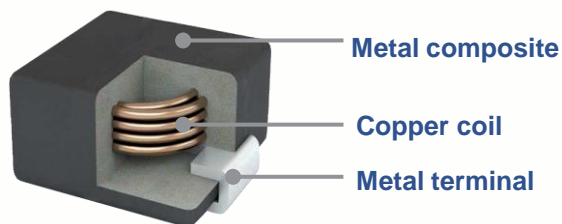


METCOM MPX Series

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



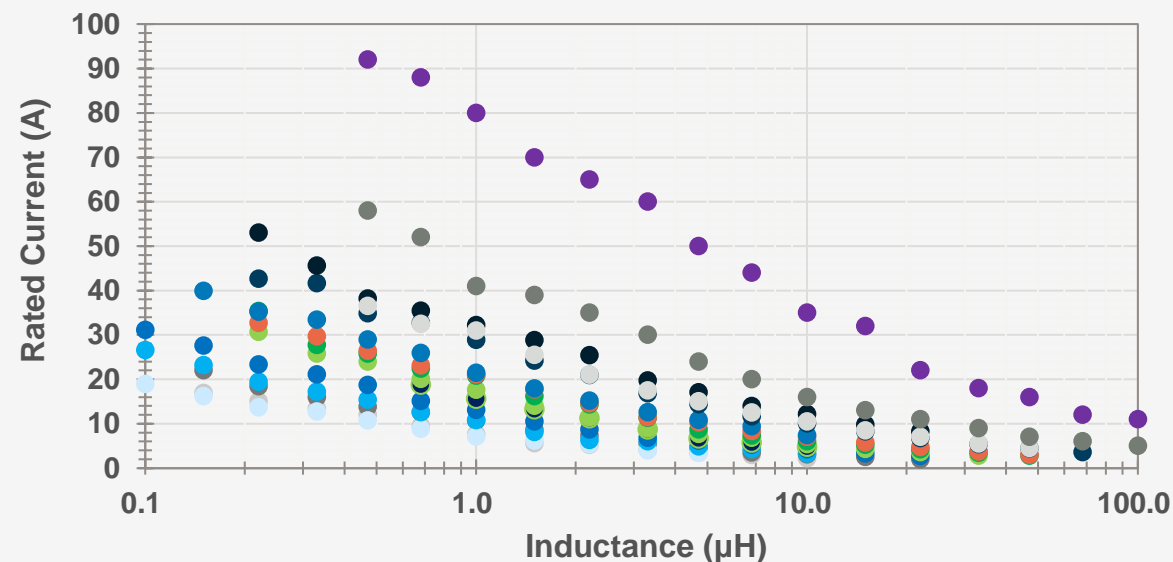
Benefits

- 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

