SMD Power Inductors

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
• 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

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

Electrical Characteristics
• Rated inductance range: 0.1 to 100 μH at 100 kHz (±20% tol.)
• Rated DCR: 0.48 to 341.2 mΩ maximum
• Rated current range: 2 to 90 A
• Operating temperature: -55°C to +155°C

Selection Guide

Applications

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