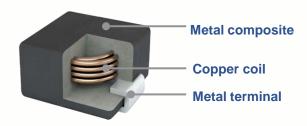


Overview

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



Automotive Grade SMD Power Inductors

METCOM MPXV Series

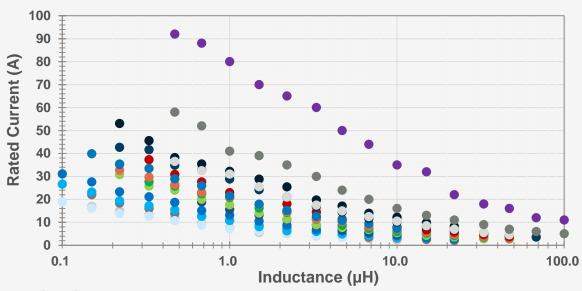
Electrical Characteristics

- 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

AEC-Q200 PPAP Capable



Selection Guide



	5x5 mm	Height	10x10 mm	
	D 0520	2.0 mm	D 1040	
	● D0520	3.0 mm	• D1054	
	6x6 mm	Height	12x12 mm	
	D 0618	1.8 mm	D1235	
	D 0624	2.4 mm	D1250	
	D 0630	3.0 mm	• D1264	
	● D0650	5.0 mm		
			17x17 mm	
	8x8 mm	Height	D 1740	
	D 0830	3.0 mm	• D1770	
	● D0840	4.0 mm		
			22x22 mm	
0			• D2240	

4.0 mm

5.4 mm

Height

3.5 mm

5.0 mm

6.4 mm

Height 4.0 mm

7.0 mm

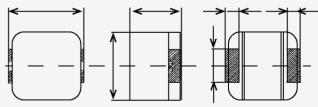
Height

13.0 mm

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



www.kemet.com/metcom