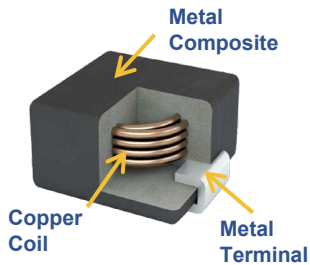


METCOM Power Inductor MPX Series

Overview

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

Construction



Applications

Consumer and commercial power applications such as:

High frequency DC-DC converters, including WBG GaN applications

PCs and servers

Points of loads (POL)

Field-programmable gate arrays (FPGA)

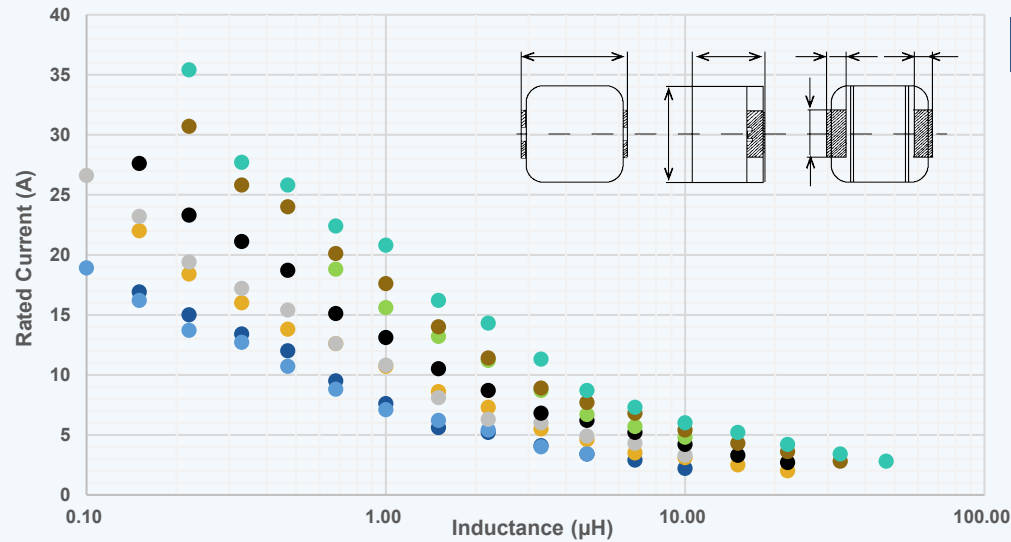
Battery powered regulators

Electrical Characteristics

Operating Temperature	-55°C to +155°C
Rated Inductance	0.10 – 47 μ H at 100 kHz (\pm 20% tol.)
Rated DCR	1.5 – 341.2 m Ω maximum
Rated Current	2.0–35.4 A



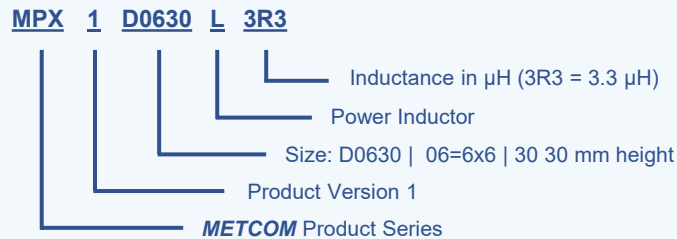
METCOM MPX Series Selection Guide



Case Sizes

- D0620 | 5x5x2.0 mm
- D0630 | 5x5x3.0 mm
- D0618 | 6x6x1.8 mm
- D0624 | 6x6x2.4 mm
- D0630 | 6x6x3.0 mm
- D0650 | 6x6x5.0 mm
- D0830 | 8x8x3.0 mm
- D0840 | 8x8x4.0 mm

Part Number System



KEMET.com/metcom