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

- **Metal** Composite
- **Copper** Coil
- **Metal** Terminal

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 – 100 μH at 100 kHz (±20% tol.)
- Rated DCR: 0.48 – 341.2 mΩ maximum
- Rated Current: 2.0 – 90 A

**METCOM MPX Series Selection Guide**

<table>
<thead>
<tr>
<th>Part Number System</th>
<th>MPX</th>
<th>D0630</th>
<th>L</th>
<th>3R3</th>
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</thead>
<tbody>
<tr>
<td><strong>Inductance in μH (3R3 = 3.3 μH)</strong></td>
<td>Power Inductor</td>
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<tr>
<td>Size: D0630</td>
<td>6x6x6</td>
<td>30 30 mm height</td>
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<td>Product Version 1</td>
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