FWECY1390 Shielded Flat Wire Power Inductor

Features
- Flat Wire SMD Power Choke
- Ultra Low DCR
- High Saturation Current up to 12A
- Frequency Range up to 1MHz

Electrical
- Inductance Range: 10µH ~ 47µH
- Tolerance: 20% across entire series
- Test Frequency: 100KHz, 0.1V
- Operating Temp: -40°C to +125 °C
- Irms: Current at which the temperature rise will not exceed the stated above ambient.
- Isat: Current at which the inductance will drop by no more than 20% from its original Inductance without current.

Physical
- Packaging: 350 per 13" reel
- Marking: Part number

Specifications

<table>
<thead>
<tr>
<th>Allied Part Number</th>
<th>Inductance ±20% (µH)</th>
<th>SRF (MHz) REF</th>
<th>DCR (mΩ Max)</th>
<th>Irms(A) REF 20°C Rise</th>
<th>40°C Rise</th>
<th>Isat(A) 20% Drop</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWECY1390-100M</td>
<td>10</td>
<td>26.9</td>
<td>15.0</td>
<td>6.4</td>
<td>9.2</td>
<td>12.0</td>
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<td>24.3</td>
<td>15.0</td>
<td>6.4</td>
<td>9.2</td>
<td>8.04</td>
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<td>20.3</td>
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<td>7.7</td>
<td>6.8</td>
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All specifications subject to change without notice.