RoHS

SMD SEMI SHIELDED POWER CHIP INDUCTOR  PCFV24

Dimensions:  Inches (mm)

<table>
<thead>
<tr>
<th>Allied Part Number</th>
<th>Inductance (µH)</th>
<th>Tolerance (%)</th>
<th>Test Freq. MHz, 200mV</th>
<th>RDC (Ω) ±30%</th>
<th>Isat (mA) (Typ)</th>
<th>Irms (mA) (Typ)</th>
<th>Marking</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCFV24-R47M-RC</td>
<td>.47</td>
<td>20</td>
<td>1</td>
<td>0.045</td>
<td>2800</td>
<td>2300</td>
<td>A</td>
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<tr>
<td>PCFV24-1R0M-RC</td>
<td>1.0</td>
<td>20</td>
<td>1</td>
<td>0.066</td>
<td>1980</td>
<td>2050</td>
<td>B</td>
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<tr>
<td>PCFV24-1R5M-RC</td>
<td>1.5</td>
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<td>0.095</td>
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<td>1850</td>
<td>C</td>
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<td>PCFV24-4R7M-RC</td>
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<td>1</td>
<td>0.285</td>
<td>920</td>
<td>950</td>
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<td>PCFV24-100M-RC</td>
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<td>600</td>
<td>700</td>
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<td>PCFV24-150M-RC</td>
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<td>1</td>
<td>0.810</td>
<td>500</td>
<td>550</td>
<td>I</td>
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<td>PCFV24-220M-RC</td>
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<td>1</td>
<td>1.200</td>
<td>400</td>
<td>440</td>
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</tbody>
</table>

All specifications subject to change without notice.

Features
- Semi Magnetically Shielded
- High Current
- Low DC Resistance
- Ultra Low Profile only 1.02mm

Electrical

Inductance Range:  .47µH ~ 22µH (other values being added)
Tolerance: Available in 20%
Operating Temp: -40°C ~ +125°C
Isat: Current at which the Inductance will drop by no more than 30% of its initial value.
Irms: Based on a temp rise of ΔT = 40°C typical above Ambient Temp.

Resistance to Soldering Heat
Pre-Heat 150°C, 1 Min.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260°C +/- 5°C for 10 sec

Test Equipment
(L): HP4287A + HP16197A
(RDC): Chroma MilliOhm Meter 16502
Current: HP4284A + HP42841A

Physical

Packaging: 2K per Tape and reel
Marking: As noted