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

### Electrical
- **Inductance Range:** 1.5µh ~ 22µh (other values being added)
- **Tolerance:** Available in 20%
- **Isat:** Current at which the Inductance will drop by no more than 30% of its initial value.
- **Irms:** Based on a temp rise of $\Delta T = 40^\circ\text{C}$ 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:** 2000 per Tape and reel
- **Marking:** EIA Inductance code

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**Allied Part Number**

<table>
<thead>
<tr>
<th>Allied Part Number</th>
<th>Inductance (µh)</th>
<th>Tolerance (%)</th>
<th>Test Freq., MHz, 200mV</th>
<th>RDC (Ω)</th>
<th>Isat (A) (Max)</th>
<th>Irms (A) (Max)</th>
<th>Marking</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCFV30-1R5M-RC</td>
<td>1.5</td>
<td>20</td>
<td>1</td>
<td>.085</td>
<td>1620</td>
<td>1530</td>
<td>1R5</td>
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<tr>
<td>PCFV30-2R2M-RC</td>
<td>2.2</td>
<td>20</td>
<td>1</td>
<td>.100</td>
<td>1350</td>
<td>1260</td>
<td>2R2</td>
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<tr>
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<td>4.7</td>
<td>20</td>
<td>1</td>
<td>.205</td>
<td>900</td>
<td>850</td>
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<tr>
<td>PCFV30-6R8M-RC</td>
<td>6.8</td>
<td>20</td>
<td>1</td>
<td>.310</td>
<td>780</td>
<td>760</td>
<td>6R8</td>
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<td>PCFV30-100M-RC</td>
<td>10</td>
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<td>PCFV30-150M-RC</td>
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<td>.625</td>
<td>500</td>
<td>490</td>
<td>150</td>
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<tr>
<td>PCFV30-220M-RC</td>
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<td>1</td>
<td>.670</td>
<td>420</td>
<td>410</td>
<td>220</td>
</tr>
</tbody>
</table>

**All specifications subject to change without notice.**

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![Dimensions: Inches (mm)](image-url)

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**Recommended Pattern**

- .119±.008 (3.0±.20)
- .04 (1.0)
- .087 (2.2)
- .04 (1.0)
- .04 (1.0)

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![PCFV30-1R5M-RC](image-url)

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![PCFV30-2R2M-RC](image-url)

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![PCFV30-4R7M-RC](image-url)

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![PCFV30-6R8M-RC](image-url)

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![PCFV30-100M-RC](image-url)

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![PCFV30-150M-RC](image-url)

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![PCFV30-220M-RC](image-url)