SMD High Current Common Mode Filter

**Features**
- SMD Common Mode Filter
- Low profile
- High Current
- Ideal for pick and place
- For USB 2.0 IEEE, 394, LVDS Applications

**Electrical**
- Min Impedance Range: 80Ω - 2300Ω
- Operating Temp: -40°C to +105°C
- IDC: Current at which the Temperature rise reaches 40°C

**Resistance to Soldering Heat**
- Pre-Heat: 150°C-180°C, 90±30 Sec
- Solder Temp: 245°C ± 5°C for 30sec ± 10sec.
- Solder Composition: Sn/Ag3.0/Cu0.5

**Test Equipment**
- Impedance: HP4291B, Impedance Analyzer
- DCR: CH16502
- Irms Current: HP42841A+HP4284A
- Leakage: CH19073

**Physical**
- Packaging: 500pcs per reel
- Marking: EIA Inductance Code

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**Table of Specifications**

<table>
<thead>
<tr>
<th>Allied Part Number</th>
<th>Impedance (N1=N2) (Ω)@10MHz</th>
<th>Test Freq. MHz</th>
<th>DCR (mΩ) MAX</th>
<th>IDC (A) MAX</th>
<th>Insulation Resistance (MD) Min</th>
<th>Rated Volt. (V) MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCMF1211S-800</td>
<td>80</td>
<td>100</td>
<td>2.0</td>
<td>10</td>
<td>10</td>
<td>125</td>
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<tr>
<td>PCMF1211S-701</td>
<td>500</td>
<td>100</td>
<td>6.0</td>
<td>8.0</td>
<td>10</td>
<td>125</td>
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<tr>
<td>PCMF1211S-901</td>
<td>600</td>
<td>100</td>
<td>8.0</td>
<td>8.0</td>
<td>8.0</td>
<td>125</td>
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<tr>
<td>PCMF1211S-102</td>
<td>750</td>
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<td>14.0</td>
<td>8.0</td>
<td>10</td>
<td>125</td>
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<tr>
<td>PCMF1211S-222</td>
<td>2200</td>
<td>100</td>
<td>35</td>
<td>1.8</td>
<td>10</td>
<td>125</td>
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<tr>
<td>PCMF1211S-272</td>
<td>2300</td>
<td>100</td>
<td>50</td>
<td>1.5</td>
<td>10</td>
<td>125</td>
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</tbody>
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**Dimensions: (mm)**

- A: 12.0±0.50
- B: 10.8±0.50
- C: 6.40(Max)
- D: 7.0(Ref.)
- E: 2.70±0.20
- F: 2.5±0.20
- G: 2.50±0.20

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**Recommended Land pattern**

- H(mm): 2.70 Ref.
- I(mm): 2.30 Ref.
- J(mm): 2.30 Ref.
- K(mm): 6.80 Ref.

**Schematic:**

1. N1
2. N2
3. 4

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**Reflow Solder Profile**

[Graph showing temperature over time for reflow soldering process]

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**Allied Part Number**

- PCMF1211S-800
- PCMF1211S-701
- PCMF1211S-901
- PCMF1211S-102
- PCMF1211S-222
- PCMF1211S-272

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**Allied Components International**

www.alliedcomponents.com

RoHS

All specifications subject to change without notice.

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ALLIED COMPONENTS INTERNATIONAL

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SMD High Current Common Mode Filter

Typical Performance Curve

PCMF1211S-800

PCMF1211S-701

PCMF1211S-801

PCMF1211S-102

PCMF1211S-222

PCMF1211S-272
Packaging Information

Reel Dimension

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>330</td>
<td>100</td>
<td>13.3</td>
<td>28.5</td>
<td>24.5</td>
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</tbody>
</table>

Tape Dimension

(Dimension in mm: Tolerance: ±0.1)

<table>
<thead>
<tr>
<th>Reel Packaging</th>
<th>W</th>
<th>AO</th>
<th>BO</th>
<th>KO</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>24±0.3</td>
<td>14±0.1</td>
<td>14±0.1</td>
<td>6.6±0.1</td>
<td>1.75±0.1</td>
<td>11.5±0.1</td>
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</table>

<table>
<thead>
<tr>
<th>P</th>
<th>PO</th>
<th>P2</th>
<th>DO</th>
<th>D1</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
<td>16±0.1</td>
<td>4.0±0.1</td>
<td>2.0±0.1</td>
<td>1.5±0.1</td>
<td>1.5±0.3</td>
<td>0.4±0.05</td>
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