Miniature RF Chokes – 026011F

• Higher inductance value than most 0201 inductors
• Ferrite construction for low DCR and high current handling

<table>
<thead>
<tr>
<th>Part number</th>
<th>Inductance ±5% (nH)</th>
<th>Impedance typ (Ohms) 900 MHz</th>
<th>SRF typ (MHz)</th>
<th>DCR max (Ohms)</th>
<th>Irms (mA)</th>
<th>B dim max (in / mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>026011F-270XJR</td>
<td>27</td>
<td>135</td>
<td>3900</td>
<td>0.110</td>
<td>480</td>
<td>0.015 / 0.38</td>
</tr>
<tr>
<td>026011F-720XJR</td>
<td>72</td>
<td>380</td>
<td>2600</td>
<td>0.400</td>
<td>210</td>
<td>0.013 / 0.33</td>
</tr>
<tr>
<td>026011F-101XJR</td>
<td>100</td>
<td>470</td>
<td>2300</td>
<td>0.500</td>
<td>200</td>
<td>0.013 / 0.33</td>
</tr>
<tr>
<td>026011F-151XJR</td>
<td>150</td>
<td>850</td>
<td>1800</td>
<td>0.600</td>
<td>190</td>
<td>0.013 / 0.33</td>
</tr>
<tr>
<td>026011F-271XJR</td>
<td>270</td>
<td>1500</td>
<td>1600</td>
<td>1.15</td>
<td>130</td>
<td>0.013 / 0.33</td>
</tr>
<tr>
<td>026011F-431XJR</td>
<td>430</td>
<td>2700</td>
<td>1100</td>
<td>1.85</td>
<td>100</td>
<td>0.013 / 0.33</td>
</tr>
<tr>
<td>026011F-561XJR</td>
<td>560</td>
<td>4500</td>
<td>1000</td>
<td>2.80</td>
<td>90</td>
<td>0.013 / 0.33</td>
</tr>
</tbody>
</table>

1. When ordering, please specify packaging code:
   026011F-561XJR

   Packaging: Y = 7" machine-ready reel. EIA-481 punched paper tape (10,000 parts per full reel).
   W = 7" machine-ready reel. EIA-481 punched paper tape (2000 parts per full reel).
   U = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge),
   use code letter W instead.

2. Inductance measured at 7.9 MHz using a Coilcraft SMD-F test fixture
   with an Agilent/HP 4287A impedance analyzer.
3. SRF is measured on an Agilent 8753ES (or equivalent) with a Coilcraft SMD-D test fixture.
4. DCR is measured on a Keithley 580 Micro-ohmmeter (or equivalent)
   with a Coilcraft CCF1192 test fixture.
5. Current that causes a 15°C temperature rise from 85°C ambient. This
   information is for reference only and does not represent absolute maxi-
   mum ratings. Because of their open construction, these parts will not
   saturate.

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Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

Core material: Ferrite
Environmental: RoHS compliant, halogen free
Terminations: RoHS compliant matte tin over nickel over silver.
Weight: 0.9 – 1.1 mg
Ambient temperature: -40°C to +85°C with Irms current
Maximum part temperature: +100°C (ambient + temp rise)
Storage temperature: Component: -40°C to +100°C.
Tape and reel packaging: -40°C to +80°C
Resistance to soldering heat: Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Temperature Coefficient of Inductance (TCL): +25 ppm/°C
Moisture Sensitivity Level (MSL): 1 (unlimited floor life at <30°C / 85% relative humidity)
Failures in Time (FIT) / Mean Time Between Failures (MTBF): One per billion hours / one billion hours, calculated per Telcordia SR-332
Packaging: 2000 or 10,000 per 7″ reel. Paper tape: 8 mm wide, 0.68 mm thick, 2 mm pocket spacing

Parts shown are preproduction products available for evaluation only.
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Typical Impedance vs Frequency

Typical L vs Frequency

This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.