**Plug-In Power Splitter/Combiner**  
PSCQ-2-180+

2 Way-90°  50Ω  120 to 180 MHz

### Features
- low insertion loss, 0.4 dB typ.
- excellent isolation, 30 dB typ.
- excellent VSWR, 1:10:1 typ.
- rugged shielded case

### Applications
- modulators
- balanced amplifiers

### Electrical Specifications

<table>
<thead>
<tr>
<th>FREQ. RANGE (MHz)</th>
<th>ISOLATION (dB)</th>
<th>INSERTION LOSS (dB) Avg. of Coupled Outputs ABOVE 3 dB</th>
<th>PHASE UNBALANCE (Degrees)</th>
<th>AMPLITUDE UNBALANCE (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-180</td>
<td>23</td>
<td>15</td>
<td>0.3</td>
<td>0.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit’s applicable established test performance criteria and measurement instructions.

C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, “Standard Terms”); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits’ website at www.minicircuits.com/MCLStore/terms.jsp

**Permanent damage may occur if any of these limits are exceeded.**

**CASE STYLE: A01**

**+RoHS Compliant**
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

**Generic photo used for illustration purposes only**

---

**Outline Dimensions (inch/mm)**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>.770</td>
<td>.800</td>
<td>.385</td>
<td>.400</td>
<td>.370</td>
<td>.400</td>
</tr>
<tr>
<td>19.56</td>
<td>20.32</td>
<td>9.78</td>
<td>10.16</td>
<td>9.40</td>
<td>10.16</td>
</tr>
<tr>
<td>G</td>
<td>H</td>
<td>J</td>
<td>K</td>
<td>wt</td>
<td></td>
</tr>
<tr>
<td>.200</td>
<td>.20</td>
<td>.14</td>
<td>.031</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.08</td>
<td>5.08</td>
<td>3.56</td>
<td>0.79</td>
<td>5.2</td>
<td></td>
</tr>
</tbody>
</table>

---

**Notes**
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit’s applicable established test performance criteria and measurement instructions.

C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, “Standard Terms”); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits’ website at www.minicircuits.com/MCLStore/terms.jsp

---

**Mini-Circuits**

www.minicircuits.com  
P.O. Box 350166, Brooklyn, NY 11235-0003  (718) 934-4500  sales@minicircuits.com

---

**Total Loss = Insertion Loss + 3dB splitter loss.**

---

**REV. D  M151107  PSCQ-2-180+  HY/TD/CP/AM  200402**