HYBRID DIRECTIONAL COUPLERS

CP49-FF-YY-XX Series

Comprod offers a full line of Hybrid Directional Couplers. The full range of decoupling values allows balanced power division and distribution. These couplers are bidirectional and are well suited for two-way communications systems. A full line of Tri-Band models is available for distribution of VHF, UHF and 800 MHz via a single transmission line. Standard finish is gold alodine.

- Low Insertion Loss
- High Isolation between ports
- Excellent VSWR
- Tri-Band and other models are available and customizable. Please contact a Comprod technical support technician for consultation.

<table>
<thead>
<tr>
<th>Model With No Load</th>
<th>Model With 5 Watt Load</th>
<th>Model With 5 Watt Load</th>
<th>Frequency Range</th>
<th>Decoupling (dB)</th>
<th>Thruline Loss (dB)</th>
<th>Power Split Ratio (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>49-13-03-00</td>
<td>49-13-03-05</td>
<td>49-13-03-25</td>
<td>138-174MHz</td>
<td>-3 - 0.7</td>
<td>-3.0 - 0.3</td>
<td>50 / 0</td>
</tr>
<tr>
<td>49-13-48-00</td>
<td>49-13-48-05</td>
<td>49-13-48-25</td>
<td>138-174MHz</td>
<td>-4.8 - 0.7</td>
<td>-4.8 - 0.3</td>
<td>67 / 33</td>
</tr>
<tr>
<td>49-13-06-00</td>
<td>49-13-06-05</td>
<td>49-13-06-25</td>
<td>138-174MHz</td>
<td>-6.0 - 1.0</td>
<td>-1.2 - 0.2</td>
<td>75 / 25</td>
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<tr>
<td>49-13-07-00</td>
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<td>138-174MHz</td>
<td>-7.0 - 1.0</td>
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<td>80 / 20</td>
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<tr>
<td>49-13-10-00</td>
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<td>49-13-10-25</td>
<td>138-174MHz</td>
<td>-10.0 - 1.0</td>
<td>-0.5 - 0.2</td>
<td>90 / 10</td>
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<td>-20.0 - 1.0</td>
<td>-0.3 max.</td>
<td>99 / 1</td>
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<tr>
<td>49-38-03-00</td>
<td>49-38-03-05</td>
<td>49-38-03-25</td>
<td>380-512MHz</td>
<td>-3 - 0.7</td>
<td>-3.0 - 0.3</td>
<td>50 / 50</td>
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<td>49-38-30-25</td>
<td>380-512MHz</td>
<td>-30.0</td>
<td>-0.2 max.</td>
<td>99.9 / 0.1</td>
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<tr>
<td>49-74-03-00</td>
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<td>746-960MHz</td>
<td>-3 - 0.7</td>
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