Tetra-960 MHz Hybrid, CM-99 ser.

4 x 4, Tetra/850-900 Band Low PIM Matrix
380 - 960 MHz, N or 7-16 connectors
Rev. A

- Low PIM Hybrid Combiner, 4 x 4
- High Isolation, Low VSWR and Loss
- Dual Band Range for combining Tetra/SMR/Cellular/GSM
- 100 W/Input Average Power Rating
- High Reliability, Moisture sealed
- RoHS compliant
- Convenient connector spacing

This 4 x 4 Hybrid Coupler covers the 380 - 960 MHz range of frequencies with high isolation and low passive intermodulation (PIM) in either N or 7-16 mm connectors. A similar 2 x 2 model is available as a CA-99N.

These networks provide simple combining of 2 or 4 independent signals in the specified wireless band to a common feeder cable, as might be required in a radio base station or in a neutral host in-building distributed antenna system. The unused hybrid ports must be terminated at the appropriate power rating. Note that these models use hybrid designs that are not true 90° Quadrature Hybrids.

<table>
<thead>
<tr>
<th>Model Nos./Connectors</th>
<th>Frequency Range, MHz</th>
<th>Coupling/Loss (Any Path)</th>
<th>Input Isolation</th>
<th>Input VSWR</th>
<th>Power per Input</th>
<th>Weight lbs (kg) nom</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-99D</td>
<td>380 - 900</td>
<td>6.2 ± 1.0 dB</td>
<td>&gt;23 dB</td>
<td>&lt;1.20:1</td>
<td>100W avg., 3 kW</td>
<td>5.0 (2.3)</td>
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<tr>
<td>CM-99N</td>
<td>900 - 960</td>
<td></td>
<td>&gt;20 dB</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Note: Specifications are subject to change without prior notification.