Combines Tetra & 2 Broadband Wireless inputs to 1 output
- Low loss per channel
- >25 dB Isolation, Low VSWR
- Low and High Wireless Bands
- 60W/input avg Power Rating
- Convenient connector spacing
- RoHS Compliant

This Combiner is a network of two hybrid couplers. Two broadband inputs feed a 3dB hybrid whose output is fed to the 1.8 dB coupling arm of a 4.8 dB hybrid coupler. The main line of this coupler is the Tetra band input. There are 2 unused N connector ports which need to be terminated in 50Ω at the appropriate power rating, or may be internally terminated with a 2W load by request at time of order.

These combiners have been designed for use in base stations or in distributed antenna systems. (01/13)

Impedance: 50Ω nominal
Peak Power Rating: 3 kW
Environment: -35° to +65°C, IP64 (IP67 to order)
PIM (Intermodulation): <-150 dBc (with low PIM loads)
Connectors: CM-93D: 7-16 mm DIN (f)
CM-93N: N connector (f)
Finish: Silver or triplate

<table>
<thead>
<tr>
<th>Input Band, MHz</th>
<th>Frequency Range, MHz</th>
<th>Through Loss, nom</th>
<th>Loss Variation</th>
<th>Input Isolation</th>
<th>VSWR Input per input</th>
<th>Max Power Rating</th>
<th>Weight, Nom lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inputs 1 &amp; 2</td>
<td>700 - 2700</td>
<td>4.8 dB</td>
<td>±0.75 dB</td>
<td>&gt;25 dB</td>
<td>&lt;1.30:1</td>
<td>*60W avg.</td>
<td>2.15 (0.95)</td>
</tr>
<tr>
<td>Tetra Input 3</td>
<td>350 - 520</td>
<td>2.7 dB</td>
<td>±0.90 dB</td>
<td>&gt;25 dB</td>
<td>&lt;1.20:1</td>
<td>*60W avg.</td>
<td></td>
</tr>
</tbody>
</table>

*Valid only when used with external loads

CM-93N Outline (shown with optional internal loads)