**Wideband 4:4 Combiner, CM-88 series**

4 x 4 Hybrid Coupler Matrix, Combiner & Splitter

150W/input, 694-2700 MHz

Rev. D

- Combine 4 inputs to 4 outputs
- 150W/Input Average Power
- Up to 23 dB Isolation
- Low Specified PIM, -161 dBc
- IP64 Indoor Environment
- Low VSWR, Low Loss
- RoHS compliant

The 4x4 Hybrid is a matrix of Hybrid Couplers arranged so that signals applied to any of the four inputs will be split equally between the four outputs. This allows combining of multiple signals in the same wireless band to a common feeder cable, as might be required in a neutral host in-building distributed antenna system. Unused output ports must be terminated externally in 50Ω with an appropriate PIM performance. Note that the phase relationship of the outputs in this model is not consistent.

Special attention has been directed to maximize isolation in the wireless bands and minimize passive intermodulation (PIM). Unit also available with 7-16 DIN or N connectors as part of the CM-x8D or CM-x8N series.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Frequency Range, MHz</th>
<th>Coupling dB</th>
<th>Input Isolation*</th>
<th>Return Loss, dB</th>
<th>Power per Input Avg.</th>
<th>Peak</th>
<th>Weight, nom. lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-88E</td>
<td>694 - 800</td>
<td>6.0 ± 1.8</td>
<td>23 dB</td>
<td>&gt;18 dB</td>
<td>150W</td>
<td>4.9</td>
<td>(2.2)</td>
</tr>
<tr>
<td>CM-88C</td>
<td>800 - 2600</td>
<td>6.2 ± 1.2</td>
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<tr>
<td></td>
<td>2600 - 2700</td>
<td>6.4 ± 1.4</td>
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</tbody>
</table>

*Requires all unused ports to be terminated with loads having return loss > 32dB

**Dimensions in inches [mm]**

Note: Specifications are subject to change without prior notification.

19APR2016