Low Loss 4 x 2 Hybrid Diplexer, CM-20

2 Low and 2 High Band to 2 Common Outputs
698 - 960/1710 - 2170 MHz, N or 7-16

- Low PIM Hybrid Diplexer, 4 x 2
- High Isolation, Low VSWR and Loss
- Dual Band Range for combining 698-960 with 1710-2170 MHz
- 50W/Input Average Power Rating
- High Reliability, Moisture sealed
- RoHS compliant
- Convenient connector spacing

<table>
<thead>
<tr>
<th>Model Nos./Connectors</th>
<th>Inputs</th>
<th>Frequency Range, MHz</th>
<th>Coupling/Loss (Any Path)</th>
<th>Input Isolation Between</th>
<th>Input VSWR</th>
<th>Weight lbs (kg) nom</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-20D</td>
<td>CM-20N</td>
<td>Inputs L1, L2, H1, H2</td>
<td>698 - 960, 1710 - 2170</td>
<td>3.2 ± 0.7 dB</td>
<td>&gt;25dB</td>
<td>&gt;50dB</td>
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</table>

This 4 x 2 Hybrid Diplexer covers the 698 - 2170 MHz range of frequencies with high isolation and low passive intermodulation (PIM) in either N or 7-16 mm connectors. It combines 2 low band and 2 high band inputs to 2 outputs with minimal loss.

These networks provide simple combining of 4 independent signals in the specified wireless bands to common feeder cables, as might be required in a radio base station or in a neutral host in-building distributed antenna system. If one port is unused it must be terminated at the appropriate power and PIM rating. (08/13)

Input Power: 50W per input max.
Impedance: 50Ω nominal
DC Paths: All paths to 1A
Temperature: -35° → 65°C
Environment: IP64 (IP67 to order)
PIM*: <-153 dBc, (with +43 dBm x2)
Finish:
- Housing: RoHS coated Aluminum
- Connectors: N(f) or 7-16 Triplate

*measured with low PIM loads

All dimensions ±0.60 inches unless otherwise noted.