DPX-26x

Diplexer | AWS/PCS | Single and Twin Units | Indoor / Outdoor

- Combines the AWS and PCS bands into a single output
- Usable at the BTS or antenna end
- Built in lightning protection on all ports
- Available as single or twin unit, with various DC/AISG bypass configurations
- Suitable for indoor or outdoor applications
- Pole or wall mounting

<table>
<thead>
<tr>
<th>Ordering Options</th>
<th>Single Unit</th>
<th>Twin Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7/16-DIN Female Connectors</td>
<td>4.3/10 Female Connectors</td>
</tr>
<tr>
<td>With Auto-Sense</td>
<td>DPX-26A</td>
<td>DPX-26A-43F</td>
</tr>
<tr>
<td>DC/AISG bypass AWS low band</td>
<td>DPX-264</td>
<td>DPX-264-43F</td>
</tr>
<tr>
<td>DC/AISG bypass PCS high band</td>
<td>DPX-266</td>
<td>DPX-266-43F</td>
</tr>
<tr>
<td>Full DC/AISG bypass</td>
<td>DPX-262</td>
<td>DPX-262-43F</td>
</tr>
<tr>
<td>No DC/AISG bypass (all ports DC grounded)</td>
<td>DPX-260</td>
<td>DPX-260-43F</td>
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When ordering replace "x" with correct option for bypass configuration and single or twin unit.

### Electrical Characteristics

#### AWS (Low Band)
- Frequency Band: 1695-1780 / 2110-2200 MHz
- Insertion Loss: < 0.2 dB (typical); < 0.3 dB (maximum)
- Return Loss: > 20 dB
- Rejection, PCS: > 50 dB
- Continuous Average Power: 100 W
- Intermodulation, 2x43 dBm TX Carrier: -117 dBm

#### PCS (High Band)
- Frequency Band: 1850-1990 MHz
- Insertion Loss: < 0.25 dB (typical); < 0.38 dB (maximum)
- Return Loss: > 20 dB
- Rejection, AWS: > 50 dB
- Continuous Average Power: 100 W
- Intermodulation, 2x43 dBm TX Carrier: -117 dBm

### General
- DC Bypass Rating: 3 A
- DC/AISG Pass: Yes, ports that do not bypass DC/AISG are DC grounded

### Environmental
- Temperature Range: -40° to +65° C / -40° to +149° F
- Ingress Protection: IP67
- Lightning Protection: 5 kA 8/20 μs
- Operation Compliance: ETS 300 019-1-4 Class 4.1E
- Storage Compliance: ETS 300 019-1-1 Class 1.2

### Mechanical Characteristics
- Finish: Light Grey (NCS 1502-R)
- Connectors: See Ordering Options
- Dimensions - Single Unit (H x W x D): 135 x 140 x 50 mm / 5.3 x 5.5 x 1.9 in
- Weight - Single Unit: < 2.0 kg / < 4.4 lbs

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<th>Mounting Options</th>
<th>Description</th>
<th>Fits Pipe Diameter</th>
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<td>Pole / Wall Bracket</td>
<td>Two metal clamps for pole mount included</td>
<td>45-115 mm / 1.8-4.5 in</td>
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