**TPX-11x-JJ**

Triplexer | 700+800+900 / 1800+2100 / 2300+2600 | Single and Twin Units | Indoor / Outdoor

- Combines 700+800+900, 1800+2100 and 2300+2600 MHz into a single output
- Usable at BTS or antenna end
- 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>DC/AISG bypass from common to 2300+2600 port</td>
<td>TPX-112-JJ</td>
<td>TPX-112-JJ-43F</td>
</tr>
<tr>
<td>DC/AISG bypass from common to 1800+2100 port</td>
<td>TPX-110-JJ</td>
<td>TPX-110-JJ-43F</td>
</tr>
<tr>
<td>DC/AISG bypass from common to 700+800+900 port</td>
<td>TPX-118-JJ</td>
<td>TPX-118-JJ-43F</td>
</tr>
<tr>
<td>No DC/AISG bypass</td>
<td>TPX-116-JJ</td>
<td>---</td>
</tr>
</tbody>
</table>

When ordering replace “x” with correct option for bypass configuration and single or twin unit.

### Electrical Characteristics

#### 700+800+900 Channel (Port 1)
- Frequency Band: 690-960 MHz
- Insertion Loss: < 0.2 dB
- Isolation: > 50 dB
- VSWR: < 1.25
- Continuous Average Power: < 300 W
- IM3, 2x43 dBm: < -117 dBm

#### 1800+2100 Channel (Port 2)
- Frequency Band: 1695-2200 MHz
- Insertion Loss: < 0.3 dB
- Isolation: > 50 dB
- VSWR: < 1.25
- Continuous Average Power: < 300 W
- IM3, 2x43 dBm: < -117 dBm

#### 2300+2600 Channel (Port 3)
- Frequency Band: 2300-2700 MHz
- Insertion Loss: < 0.3 dB
- VSWR: < 1.25
- Continuous Average Power: < 300 W
- IM3, 2x43 dBm: < -117 dBm

### DC/AISG Transparency
- Bypass Rating: 2500 mA (max)

### Environmental
- Temperature Range: -40° to 149° F
- Ingress Protection: IP67
- Lightning Protection: 10 kA 8/20 μs
- Application: Indoor / Outdoor

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.
# Mechanical Characteristics

<table>
<thead>
<tr>
<th>Connectors</th>
<th>7/16-DIN Female or 4.3-10 Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (H x W x D) Without Connectors or Mounting Brackets</td>
<td></td>
</tr>
<tr>
<td>Single Unit</td>
<td>196 x 190 x 53 mm</td>
</tr>
<tr>
<td>Twin Unit</td>
<td>196 x 190 x 112 mm</td>
</tr>
<tr>
<td>Weight</td>
<td></td>
</tr>
<tr>
<td>Single Unit</td>
<td>3.8 kg</td>
</tr>
<tr>
<td>Twin Unit</td>
<td>7 kg</td>
</tr>
<tr>
<td>Packing Dimensions</td>
<td></td>
</tr>
<tr>
<td>Single Unit</td>
<td>335 x 405 x 206 mm</td>
</tr>
<tr>
<td>Twin Unit</td>
<td>335 x 405 x 265 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pole / Wall Bracket (included)</td>
</tr>
<tr>
<td>Attach to pole diameter Ø40-Ø135 mm (Ø1.57-Ø5.3 in)</td>
</tr>
</tbody>
</table>

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