Ultra Compact Twin Triplexer 1710-1880/1920-2170/2300-2690, with 4.3-10 connectors

- Ideal for small cell applications
- Compact form factor with reduced size and weight
- Suitable for space limited applications like Metro Cell, Lamp Pole, Concealment Solution and Macro Site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Twin configuration
- dc/AISG blocking on all ports

Product Classification

Product Type

Triplexer

General Specifications

Product Family

CBC182126

Color

Gray

Common Port Label

COMM

Modularity

2-Twin

Mounting

Pole  |  Wall

Mounting Pipe Hardware

Band clamps (2)

RF Connector Interface

4.3-10 Female

RF Connector Interface Body Style

Medium neck

Dimensions

Height  178 mm  |  7.008 in
Width  178 mm  |  7.008 in
Depth  90 mm  |  3.543 in
Mounting Pipe Diameter Range

40–160 mm

Outline Drawing
Electrical Specifications

**Impedance**
- 50 ohm

**License Band, Band Pass**
- DCS 1800 | IMT 2100 | IMT 2600 | TDD 2300 | TDD 2600

Electrical Specifications, dc Power/Alarm

- **dc/AISG Pass-through Method**
  - No dc/AISG pass-through
- **dc/AISG Pass-through, combiner**
  - dc/AISG blocking on all ports
- **dc/AISG Pass-through, demultiplexer**
  - dc/AISG blocking on all ports
- **Lightning Surge Current**
  - 5 kA
- **Lightning Surge Current Waveform**
  - 8/20 waveform
### Sub-module

1 | 2
---|---
1 | 2
3

### Port Designation

1710-1880 1920-2170 2300-2690

### License Band


### Electrical Specifications, Band Pass

<table>
<thead>
<tr>
<th>Frequency Range, MHz</th>
<th>1710–1880</th>
<th>1920–2170</th>
<th>2300–2690</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss, typical, dB</td>
<td>0.25</td>
<td>0.25</td>
<td>0.2</td>
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<tr>
<td>Return Loss, typical, dB</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Isolation, typical, dB</td>
<td>52</td>
<td>52</td>
<td>52</td>
</tr>
<tr>
<td>Input Power, RMS, maximum, W</td>
<td>250</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Input Power, PEP, maximum, W</td>
<td>1500</td>
<td>1500</td>
<td>1500</td>
</tr>
<tr>
<td>3rd Order PIM, typical, dBc</td>
<td>-155</td>
<td>-155</td>
<td>-155</td>
</tr>
<tr>
<td>3rd Order PIM Test Method</td>
<td>Two +43 dBm carriers</td>
<td>Two +43 dBm carriers</td>
<td>Two +43 dBm carriers</td>
</tr>
</tbody>
</table>

### Environmental Specifications

- **Operating Temperature**: -40 °C to +65 °C (-40 °F to +149 °F)
- **Relative Humidity**: Up to 100%
- **Corrosion Test Method**: IEC 60068-2-11, 30 days
- **Ingress Protection Test Method**: IEC 60529:2001, IP67

### Packaging and Weights

- **Included**: Mounting hardware
E12F03P90

Volume 2.85 L
Weight, net 4.3 kg | 9.48 lb
Weight, without mounting hardware 3.8 kg | 8.378 lb

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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