Twin Diplexer, 1800-2100//2300-2600 MHz, dc bypass on 1800-2100 ports

Product Classification

Product Type
Diplexer

General Specifications

Product Family
CBC1726
Color
Gray
Common Port Label
COMM
Modularity
2-Twin
Mounting
Pole | Wall
Mounting Pipe Hardware
Band clamps (2)
RF Connector Interface
7-16 DIN Female
RF Connector Interface Body Style
Medium neck

Dimensions

Height
152.4 mm | 6 in
Width
123 mm | 4.843 in
Depth
121 mm | 4.764 in
Ground Screw Diameter
6 mm | 0.236 in
Mounting Pipe Diameter Range
42.6–122 mm

Outline Drawing
Electrical Specifications

**Impedance**

50 ohm

**Electrical Specifications, dc Power/Alarm**

- **dc/AISG Pass-through, combiner**
  - Branch 1
- **dc/AISG Pass-through, demultiplexer**
  - Branch 1
- **Lightning Surge Current**
  - 3 kA
- **Lightning Surge Current Waveform**
  - 10/350 waveform

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Sub-module</th>
<th>Branch</th>
<th>1</th>
<th>2</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Branch</td>
<td></td>
<td>1</td>
<td></td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
Port Designation

Electrical Specifications, Band Pass

Frequency Range, MHz
Insertion Loss, maximum, dB
Insertion Loss, typical, dB
Total Group Delay, maximum, ns
Return Loss, minimum, dB
Return Loss, typical, dB
Isolation, minimum, dB
Input Power, PEP, maximum, W
3rd Order PIM, typical, dBC
3rd Order PIM Test Method

Environmental Specifications

Operating Temperature
Relative Humidity

-40 °C to +60 °C (-40 °F to +140 °F)
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

Volume
2.3 L

Weight, net
5 kg | 11.023 lb