## CBC1726-DP | E11F02P46



Diplexer, 1695-2180//2300-2690 MHz, dc bypass all ports,AISG Compatible 1.1-2.0

#### **Product Classification**

Product Type Diplexer

General Specifications

**Product Family** CBC1726

**Color** Gray

Common Port Label COMM

Modularity 1-Single

Mounting Pole | Wall

**Mounting Pipe Hardware** Band clamps (2)

**RF Connector Interface** 7-16 DIN Female

RF Connector Interface Body Style Long neck

Dimensions

**Height** 152.4 mm | 6 in

**Width** 123 mm | 4.843 in

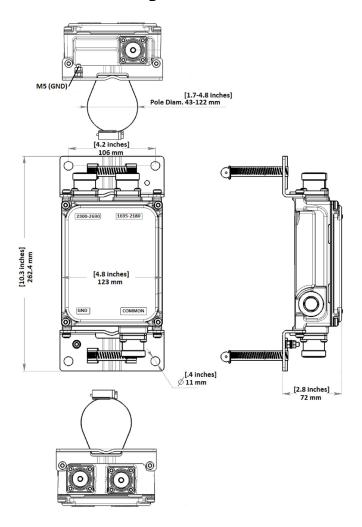
**Depth** 59.2 mm | 2.331 in

**Ground Screw Diameter** 6 mm | 0.236 in

**Mounting Pipe Diameter Range** 42.6–122 mm

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#### Outline Drawing



### **Electrical Specifications**

**Impedance** 50 ohm

License Band, Band Pass AWS 1700 | DCS 1800 | IMT 2100 | IMT 2600 | PCS 1900 | TDD

1900 | TDD 2000 | TDD 2300 | TDD 2600 | WCS 2300

### Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combinerBranch 1Branch 2dc/AISG Pass-through, demultiplexerBranch 1Branch 1

**Lightning Surge Current** 3 kA

**Lightning Surge Current Waveform** 10/350 waveform

**Voltage** 7–30 Vdc

**COMMSCOPE®** 

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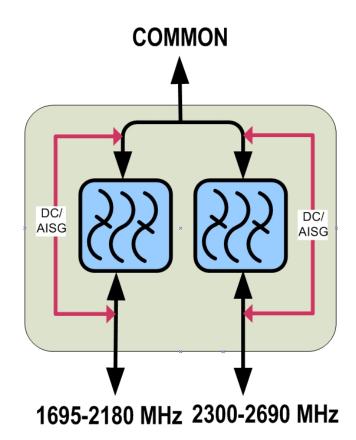
### **Electrical Specifications**

Sub-module	1	1
Branch	1	2
Port Designation	1695-2180	2300-2690
License Band	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass TDD 1900, Band Pass	IMT 2600, Band Pass WCS 2300, Band Pass TDD 2300, Band Pass TDD 2600, Band Pass
	TDD 2000 Band Pass	

### Electrical Specifications, Band Pass

Frequency Range, MHz	1695-2180	2300-2690
Insertion Loss, maximum, dB	0.4	0.4
Insertion Loss, typical, dB	0.3	0.35
Total Group Delay, maximum, ns	30	30
Return Loss, minimum, dB	18	18
Return Loss, typical, dB	20	20
Isolation, minimum, dB	50	50
Input Power, RMS, maximum, W	300	300
Input Power, PEP, maximum, W	3500	3500
3rd Order PIM, typical, dBc	-153	-153
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones

## Block Diagram



### **Environmental Specifications**

**Operating Temperature**  $-40 \, ^{\circ}\text{C} \text{ to } +65 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F to } +149 \, ^{\circ}\text{F})$ 

**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

Mounting Hardware Weight 0.4 kg | 0.882 lb

Volume 1.1 L

Weight, without mounting hardware 2 kg | 4.409 lb