

# E11F01P20



Diplexer, DCS 1800/UMTS/WiMAX/LTE, dc pass on 1710–2180 MHz port

**OBSOLETE**

This product was discontinued on: December 30, 2024

## Product Classification

**Product Type** Diplexer

## General Specifications

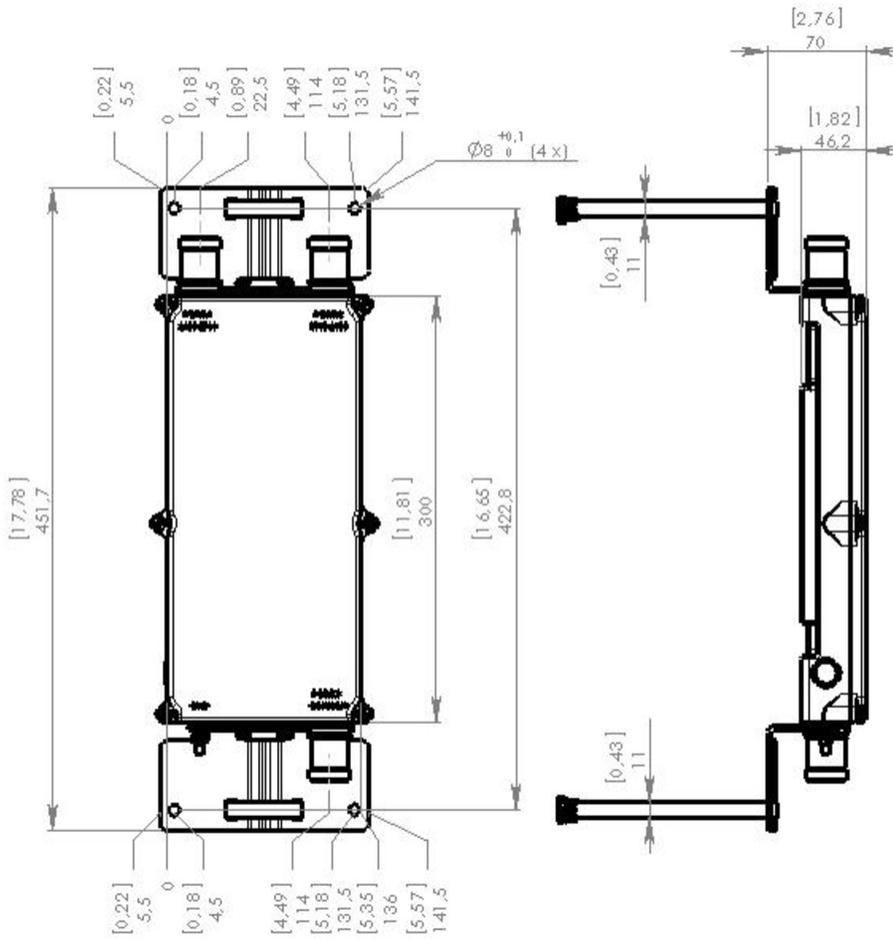
**Product Family** CBC1726old  
**Color** Gray  
**Common Port Label** COMM  
**Modularity** 1-Single  
**Mounting** Pole | Wall  
**Mounting Pipe Hardware** Band clamps (2)  
**RF Connector Interface** 7-16 DIN Female  
**RF Connector Interface Body Style** Long neck

## Dimensions

**Height** 300 mm | 11.811 in  
**Width** 136 mm | 5.354 in  
**Depth** 46.2 mm | 1.819 in  
**Ground Screw Diameter** 6 mm | 0.236 in  
**Mounting Pipe Diameter Range** 40–160 mm

## Outline Drawing

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## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>License Band, Band Pass</b>	AWS 1700   DCS 1800   IMT 2100   IMT 2600   PCS 1900   TDD 2600

## Electrical Specifications, dc Power/Alarm

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

## Electrical Specifications

<b>Sub-module</b>	1	1
<b>Branch</b>	1	2

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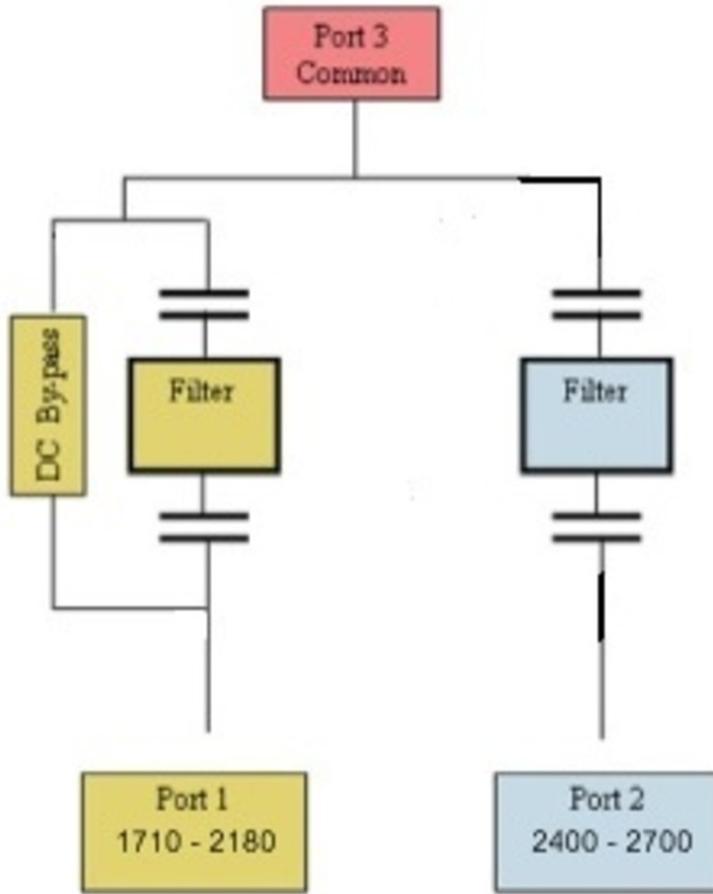
<b>Port Designation</b>	PORT 2 1710-2180	PORT 1 2400-2700
<b>License Band</b>	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass	IMT 2600, Band Pass TDD 2600, Band Pass

## Electrical Specifications, Band Pass

<b>Frequency Range, MHz</b>	<b>1710–2180</b>	<b>2400–2700</b>
<b>Insertion Loss, typical, dB</b>	0.25	0.3
<b>Return Loss, minimum, dB</b>	19	19
<b>Isolation, minimum, dB</b>	50	50
<b>3rd Order PIM, typical, dBc</b>	-160	-160
<b>3rd Order PIM Test Method</b>	Two +43 dBm carriers	Two +43 dBm carriers

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## Block Diagram



## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Relative Humidity</b>	Up to 100%
<b>Corrosion Test Method</b>	IEC 60068-2-11, 30 days
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP67

## Packaging and Weights

<b>Included</b>	Mounting hardware
<b>Volume</b>	1.9 L
<b>Weight, net</b>	4.3 kg   9.48 lb

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