

# 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

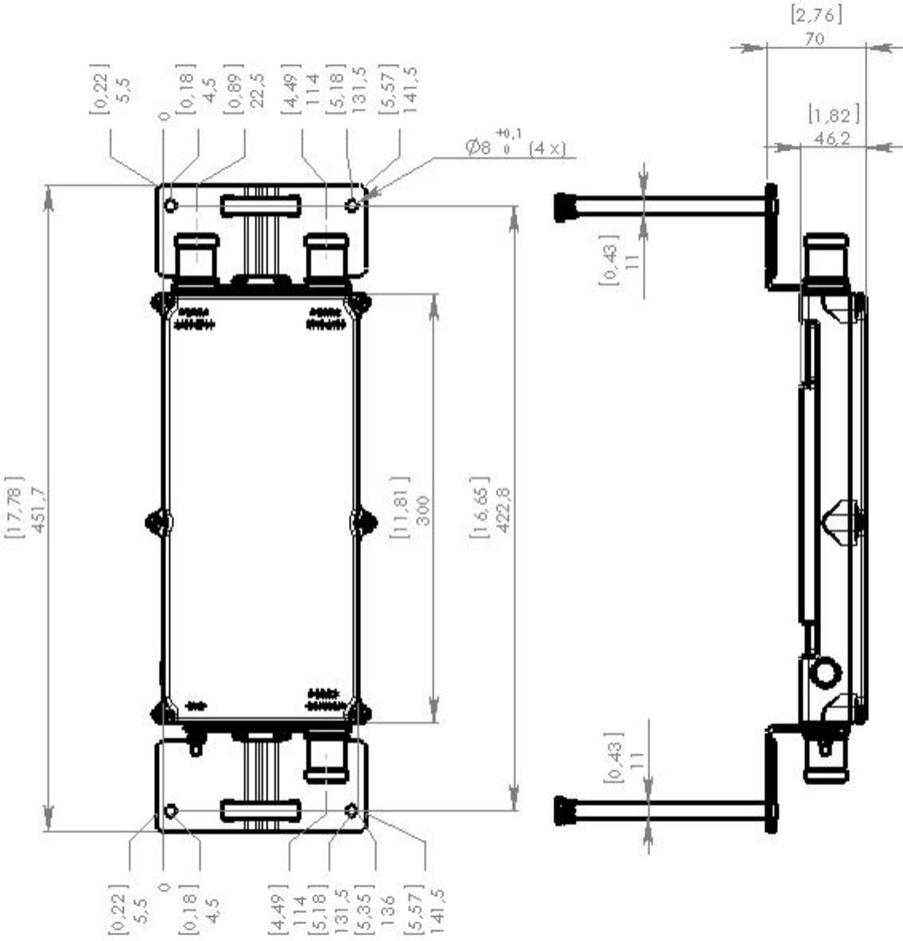
## General Specifications

**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



Electrical Specifications

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

Sub-module	1	1
Branch	1	2

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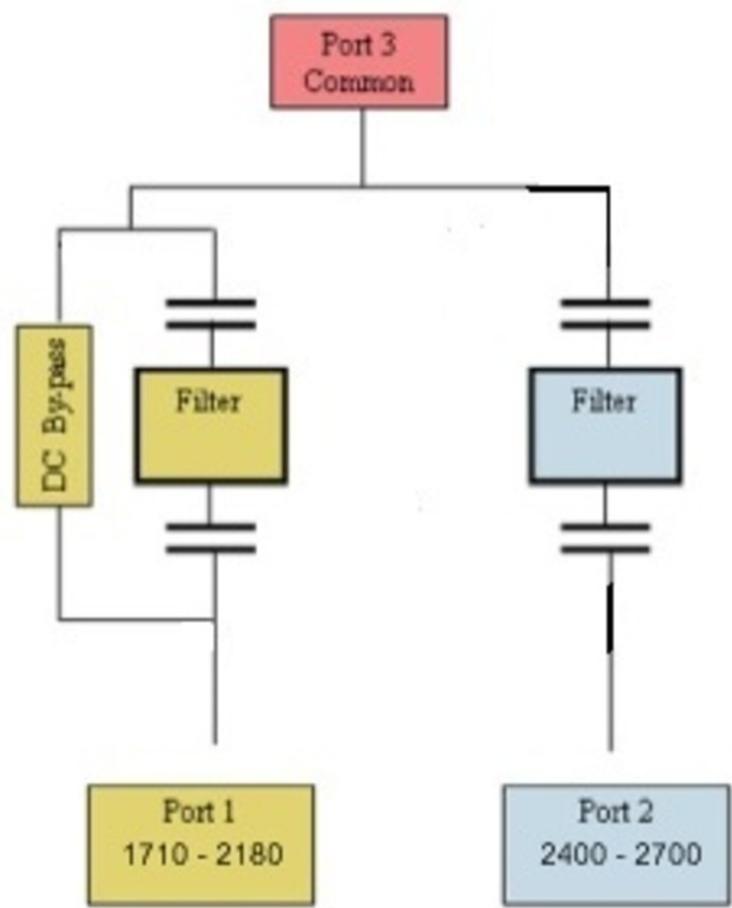
Port Designation	PORT 2 1710-2180	PORT 1 2400-2700
License Band	AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass	IMT 2600, Band Pass TDD 2600, Band Pass

## Electrical Specifications, Band Pass

Frequency Range, MHz	1710–2180	2400–2700
Insertion Loss, typical, dB	0.25	0.3
Return Loss, minimum, dB	19	19
Isolation, minimum, dB	50	50
3rd Order PIM, typical, dBc	-160	-160
3rd Order PIM Test Method	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

