

# E11F02P42

Triplexer 1710-1880/1920-2170/2300-2600, dc bypass port 3



## OBSOLETE

This product was discontinued on: June 30, 2022

### Replaced By:

E12F01P80

Triplexer 1710-1880/1920-2170/2300-2690, dc bypass on all ports, with 4.3-10 connectors

## Product Classification

**Product Type** Triplexer

## General Specifications

**Product Family** CBC182126

**Color** Gray

**Common Port Label** COM

**Modularity** 1-Single

**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** 182.5 mm | 7.185 in

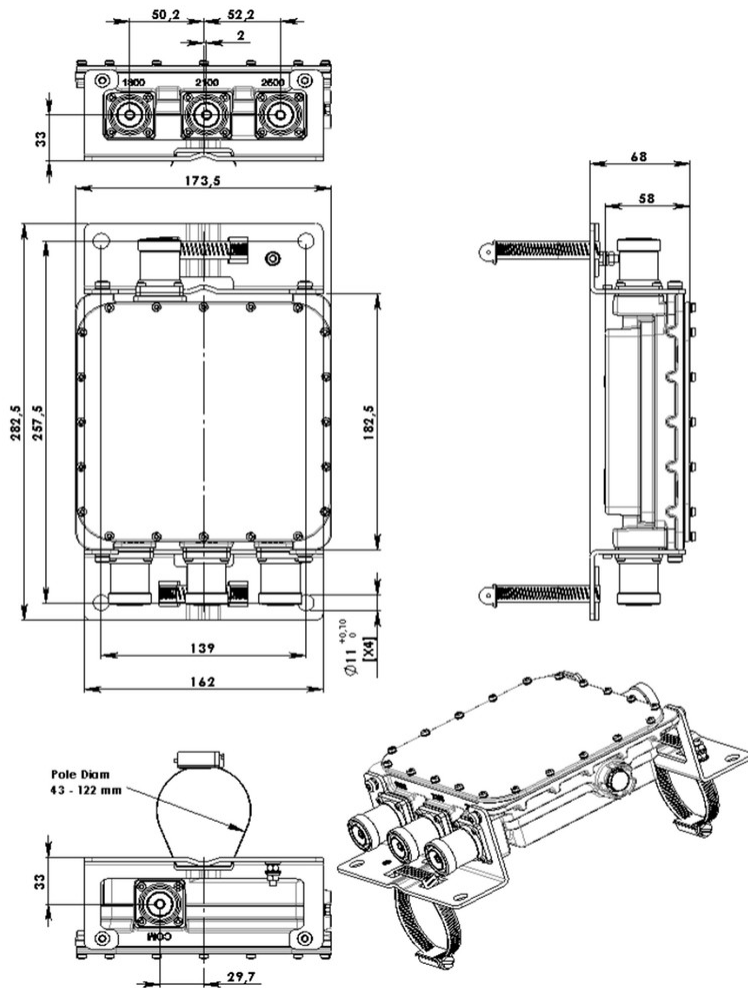
**Width** 58 mm | 2.283 in

**Depth** 173.5 mm | 6.831 in

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

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## Outline Drawing



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>License Band, Band Pass</b>	DCS 1800   IMT 2100   IMT 2600

## Electrical Specifications, dc Power/Alarm

<b>dc/AISG Pass-through, combiner</b>	Branch 3
<b>dc/AISG Pass-through, demultiplexer</b>	Branch 3
<b>Lightning Surge Current</b>	5 kA
<b>Lightning Surge Current Waveform</b>	8/20 waveform

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## Electrical Specifications

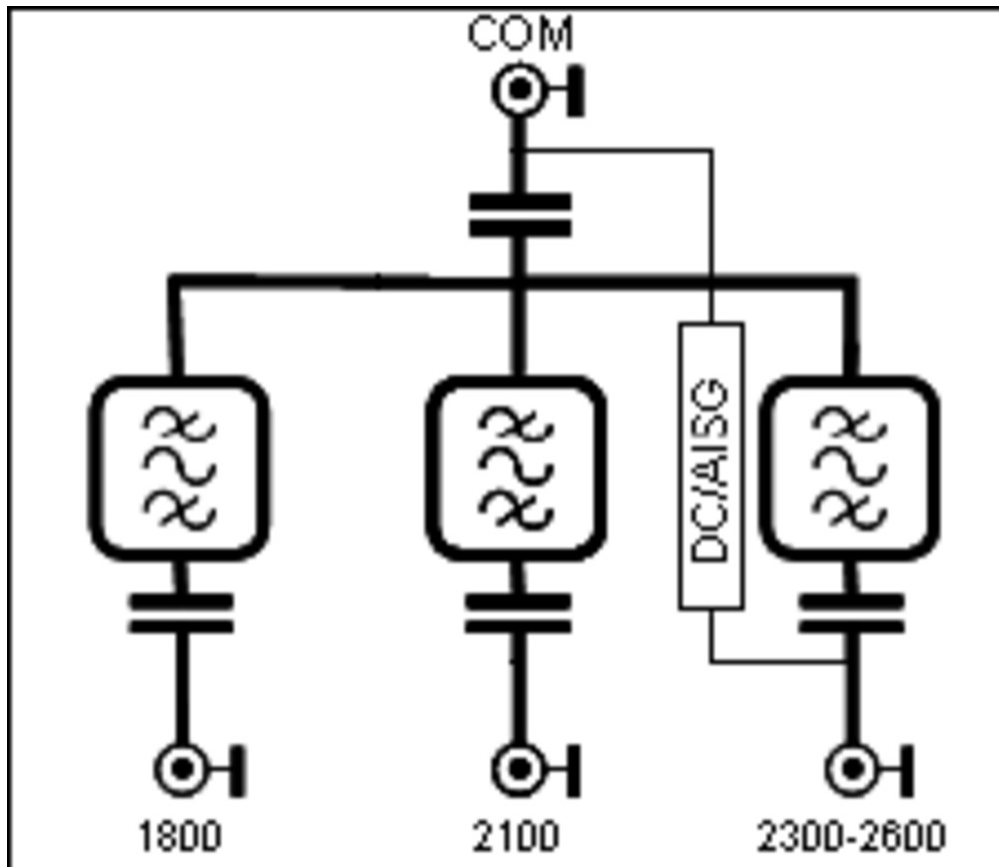
<b>Sub-module</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Branch</b>	1	2	3
<b>Port Designation</b>	1800	2100	2600
<b>License Band</b>	DCS 1800, Band Pass IMT 2100, Band Pass IMT 2600, Band Pass		

## Electrical Specifications, Band Pass

<b>Frequency Range, MHz</b>	<b>1710–1880</b>	<b>1920–2170</b>	<b>2300–2690</b>
<b>Insertion Loss, typical, dB</b>	0.25	0.25	0.2
<b>Return Loss, minimum, dB</b>	18	18	18
<b>Return Loss, typical, dB</b>	20	20	20
<b>Isolation, minimum, dB</b>	50	50	50
<b>3rd Order PIM, maximum, dBc</b>	-155	-155	-155
<b>3rd Order PIM Test Method</b>	Two +43 dBm carriers	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>	1.8 L
<b>Weight, net</b>	3.1 kg   6.834 lb

## Regulatory Compliance/Certifications

Agency	Classification
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ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

