

# CBC61921X-DS | E11F05P44

Triplexer 555–894 / PCS / AWS 1 & 3 with DC sense

**OBSOLETE**

This product was discontinued on: March 19, 2019

**Replaced By:**

CBC61923-DS-43      Triplexer, 555-894/PCS/AWS+WCS, dc Sense,4.3-10  
E14F10P57

## Product Classification

**Product Type**      Triplexer

## General Specifications

**Product Family**      CBC61921X

**Color**      Gray

**Common Port Label**      COM

**Modularity**      1-Single

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

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

**RF Connector Interface Body Style**      Long neck

## Dimensions

**Height**      210 mm | 8.268 in

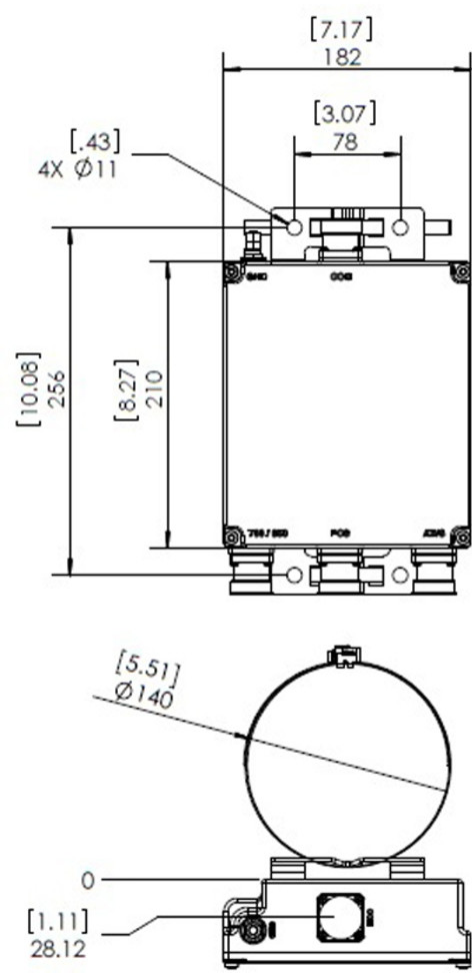
**Width**      182 mm | 7.165 in

**Depth**      62 mm | 2.441 in

**Ground Screw Diameter**      6.35 mm | 0.25 in

**Mounting Pipe Diameter Range**      40–160 mm

Outline Drawing



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700   CEL 850   EDD 800   PCS 1900   USA 600   USA 700   USA 750

Electrical Specifications, Common Port

Composite Power, RMS	500 W
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Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner	dc Sensing
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

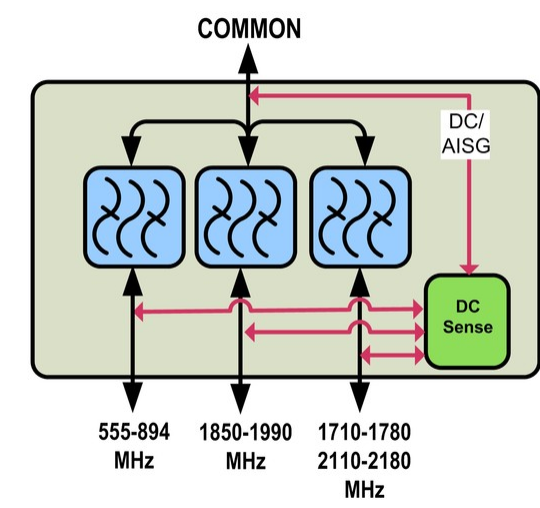
## Electrical Specifications

Sub-module	1   2	1   2	1   2
Branch	1	2	3
Port Designation	555-894	AWS	PCS
License Band	CEL 850, Band Pass EDD 800, Band Pass USA 700, Band Pass USA 750, Band Pass USA 600, Band Pass	AWS 1700, Band Pass	PCS 1900, Band Pass

## Electrical Specifications, Band Pass

Frequency Range, MHz	555–894	1710–1780 2110–2180	1850–1990
Insertion Loss, typical, dB	0.15	0.25	0.25
Total Group Delay, maximum, ns	4	20	20
Return Loss, minimum, dB	22	24	24
Return Loss, typical, dB	23	25	25
Isolation, minimum, dB	55	55	50
Isolation, typical, dB	60	60	55
Input Power, RMS, maximum, W	500	500	500
Input Power, PEP, maximum, W	5000	5000	5000
3rd Order PIM, typical, dBc	-153	-153	-153
3rd Order PIM Test Method	2 x 20 W CW tones	1 x 20 W AWS CW tone 1 x 20 W PCS CW tone	2 x 20 W CW tones

## Block Diagram



## Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	5%–100%
Ingress Protection Test Method	IEC 60529:2001, IP67

## Packaging and Weights

Included	Mounting hardware
Volume	2.4 L
Weight, without mounting hardware	3.5 kg   7.716 lb

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

