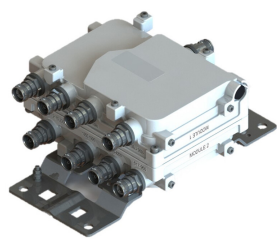


# CQX6192342T-DS-43 | E14F15P52



Twin Quadplexer 617-960/AWS-WCS/PCS/ CBRS-C-Band, DC Sense,, 4.3-10 connectors

- New Combining Solution to introduce 5G, 3.5GHz band
- BTS-to-feeder and feeder-to-antenna application
- New 4.3-10 connectors for improved PIM performance and size reduction
- Automatic dc switching with dc sense

## Product Classification

**Product Type** Quadplexer

## General Specifications

**Color** Gray

**Common Port Label** COMM

**Modularity** 2-Twin

**Mounting** Pole | Wall

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

**RF Connector Interface** 4.3-10 Female

**RF Connector Interface Body Style** Long neck

## Dimensions

**Height** 147 mm | 5.787 in

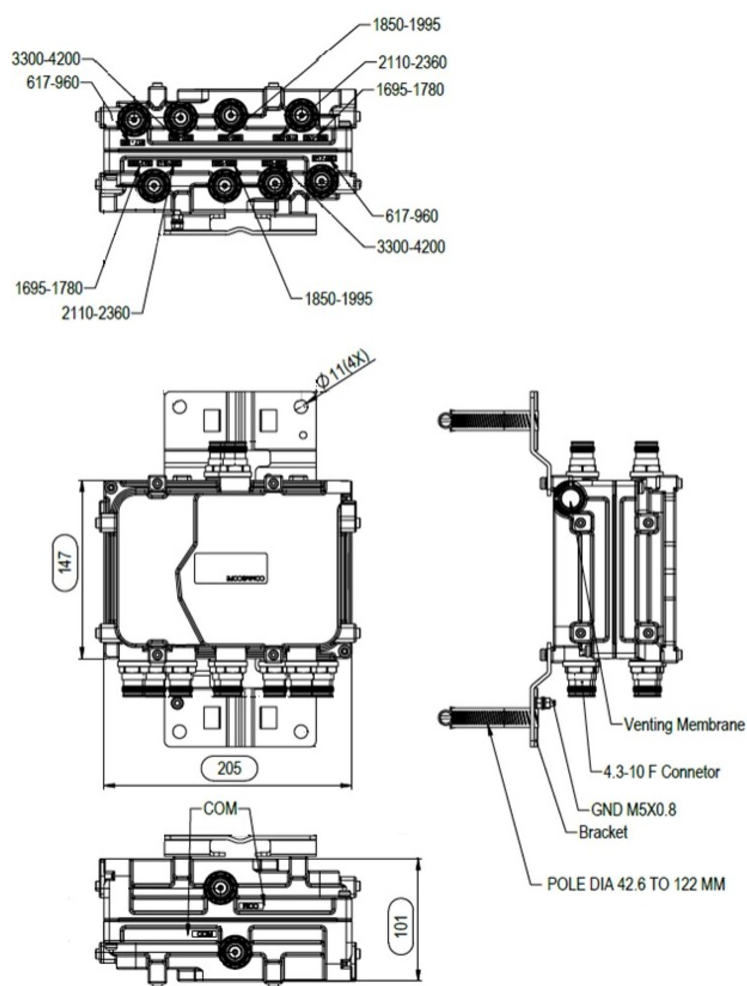
**Width** 205 mm | 8.071 in

**Depth** 101 mm | 3.976 in

**Ground Screw Diameter** 5 mm | 0.197 in

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

## Outline Drawing



## Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700   AWS 1700   CEL 850   CEL 900   DCS 1800   EDD 800   IMT 2100   IMT 2600   LMR 750   LMR 800   LMR 900   PCS 1900   TDD 3500   USA 600   USA 700   USA 750   WCS 2300

## Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Auto sensing
dc/AISG Pass-through Path	See logic table
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform
Pass-through Current, maximum	2 A
Voltage	7–30 Vdc



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COMBINER mode priority table

Port 1695-1780 2110-2360 (highest), Port 617-960, Port 1850-1995, Port 3.3-4.2 (lowest)

PORT 617-960	PORT 1850-1995	PORT 3.3-4.2	PORT 1695-1780 2110-2360	COMMON
DC input voltage				Selected Port
any valid DC or <7V	any valid DC or <7V	any valid DC or <7V	any valid DC	PORT 1695-1780 2110-2360
any valid DC	any valid DC or <7V	any valid DC or <7V	<7V	PORT 617-960
<7V	any valid DC	any valid DC or <7V	<7V	PORT 1850-1995
<7V	<7V	any valid DC	<7V	PORT 3.3-4.2
<7V	<7V	<7V	<7V	NONE

Note: Valid DC input voltage range is 7-30V

SPLITTER mode: COMMON Port is split to Ports (1-4) with valid impedance

MODE	COMMON					PORT 617-960					PORT 1850-1995					PORT 1695-1780 2110-2360				
	COMMON					PORT 617-960					PORT 1850-1995					PORT 1695-1780 2110-2360				
Splitter	Input Voltage										Selected Port									
	>7V	short	short	short	openload	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
	>7V	short	short	openload	short	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
	>7V	openload	short	short	short	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
	>7V	short	short	openload	openload	ON	OFF	OFF	ON	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	>7V	short	openload	short	openload	ON	OFF	ON	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	>7V	openload	short	short	openload	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	>7V	short	openload	openload	short	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	>7V	openload	short	openload	short	ON	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	>7V	openload	openload	openload	openload	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	>7V	openload	short	openload	openload	ON	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	>7V	openload	openload	openload	openload	ON	ON	ON	ON	OFF	ON	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
	>7V	short	short	short	short	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF

## Mechanical Specifications

Wind Loading @ Velocity, frontal	152.2 N @ 241 km/h (34.2 lbf @ 241 km/h)
Wind Loading @ Velocity, lateral	104.6 N @ 241 km/h (23.5 lbf @ 241 km/h)

## Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °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	0.2 kg   0.441 lb
Weight, without mounting hardware	3.95 kg   8.708 lb