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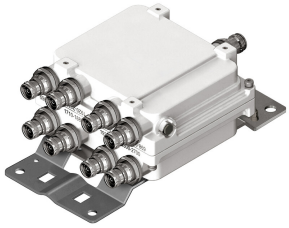

Ultra Compact Twin Quadplexer 698-960/1800/2100/2300-2700, with 4.3-10 connectors

- Ideal for small cell applications
- Compact form factor with reduced size and weight
- Suitable for space limited applications like Metro Cell, Lamp Pole, Concealment Solution and Macro Site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Twin configuration
- dc/AISG pass-through on low frequency ports

Product Classification

Product Type	Quadplexer

General Specifications

Product Family	CBC7182126
Color	Gray
Common Port Label	PORT 0 COM
Modularity	2-Twin
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female
RF Connector Interface Body Style	Medium neck

Dimensions

Height	88 mm | 3.465 in
Width	151 mm | 5.945 in
Depth	171 mm | 6.732 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

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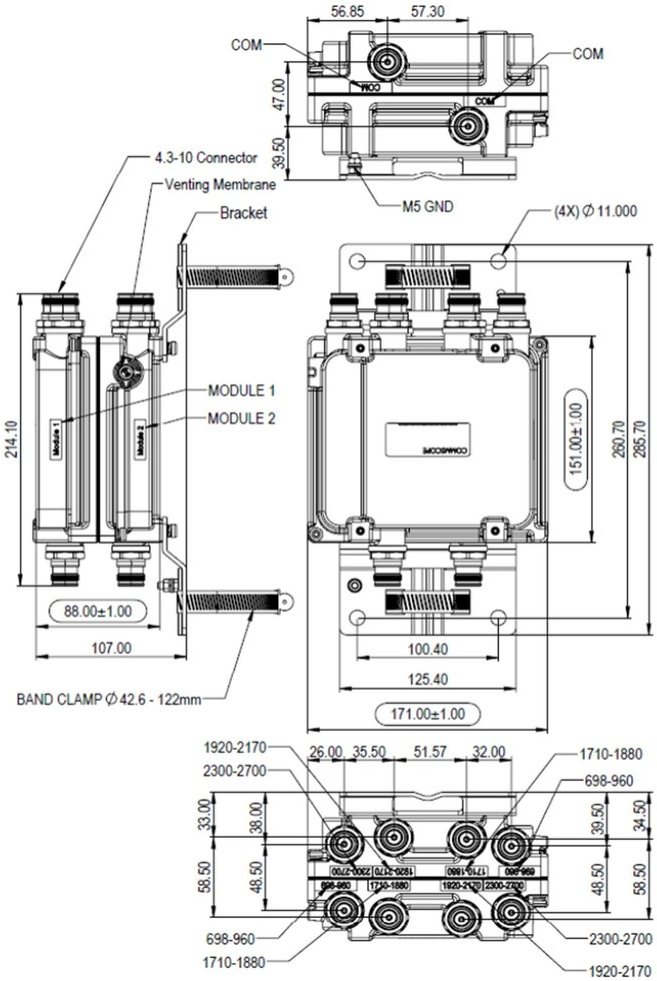

Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700 | AWS 2000 | CEL 850 | CEL 900 | DCS 1800 | EDD 800 | IMT 2100 | IMT 2600 | LMR 900 | PCS 1900 | TDD 2300 | TDD 2600

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Factory set
dc/AISG Pass-through Path	Branch 1
dc/AISG Pass-through, combiner	Branch 1
dc/AISG Pass-through, demultiplexer	Branch 1
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

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Electrical Specifications, AISG

AISG Carrier	2176 KHz ± 100 ppm

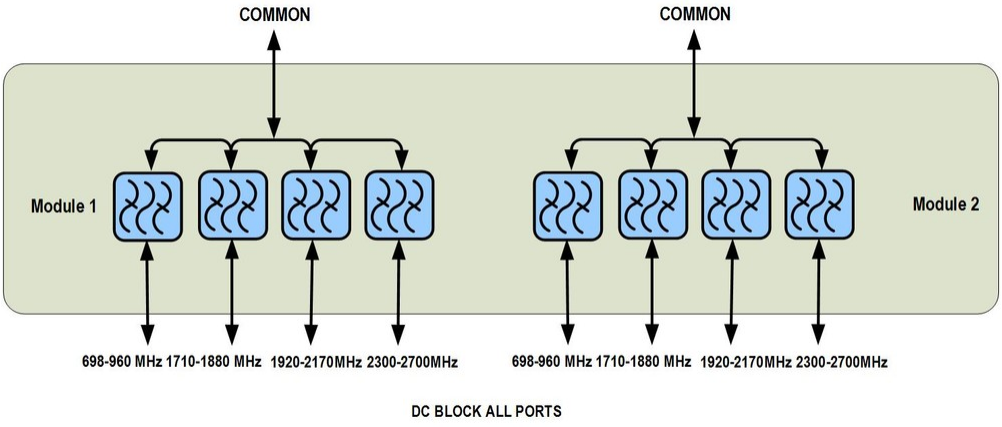
Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**	**1 | 2**	**1 | 2**
Branch	1	2	3	4
Port Designation	PORT 1 698-960	PORT 2 1710-1880	PORT 3 1920-2170	PORT 4 2300-2700
License Band	CEL 850, Band Pass CEL 900, Band Pass EDD 800, Band Pass LMR 800, Band Pass LMR 900, Band Pass	DCS 1800, Band Pass	IMT 2100, Band Pass AWS 2000, Band Pass PCS 1900, Band Pass	TDD 2300, Band Pass IMT 2600, Band Pass TDD 2600, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	**698–960**	**1710–1880**	**1920–2170**	**2300–2700**
Insertion Loss, typical, dB	0.1	0.25	0.3	0.2
Return Loss, typical, dB	22	22	22	22
Isolation, typical, dB	55	38	38	38
Input Power, RMS, maximum, W	125	125	125	125
Input Power, PEP, maximum, W	1200	1200	1200	1200
3rd Order PIM, typical, dBc	-157	-157	-157	-157
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Mechanical Specifications

Wind Speed, maximum	216 km/h (134 mph)

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Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	15%–100%
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Included	Mounting hardware
Volume	2.3 L
Weight, net	3.1 kg | 6.834 lb