

# E16V90P58



Twin Quadplexer 698-960/18/21/23-26, dc smart bypass with 4.3-10 connectors

- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- Twin configuration
- Suitable for feeders cables reduction
- Designed for network Modernization, introduction of LTE2600 on existing site
- DC/AISG SMART bypass functionality

## 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** 210 mm | 8.268 in

**Width** 250 mm | 9.843 in

**Depth** 141 mm | 5.551 in

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

## Outline Drawing

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Insertion Loss, maximum	0.5 dB
Return Loss, minimum	10 dB

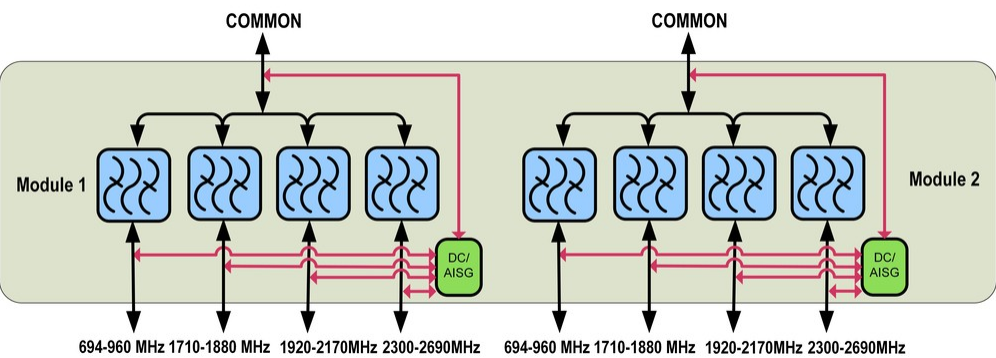
## Electrical Specifications

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 2300-2690
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	IMT 2600, Band Pass

## Electrical Specifications, Band Pass

Frequency Range, MHz	698–960	1710–1880	1920–2170	2300–2690
Insertion Loss, typical, dB	0.2	0.2	0.3	0.15
Return Loss, typical, dB	20	20	20	20
Isolation, minimum, dB	50	50	50	50
Input Power, RMS, maximum, W	300	300	300	250
3rd Order PIM, typical, dBc	-160	-160	-160	-160
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)
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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
Weight, net	10 kg   22.046 lb