

# E14F15P19



## Ultra Compact Single Quadplexer 698-960/1800/2100/2600, 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
- Single configuration

## Product Classification

**Product Type** Quadplexer

## General Specifications

**Product Family** CBC7182126

**Color** Gray

**Common Port Label** PORT 0 COM

**Modularity** 1-Single

**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** 45 mm | 1.772 in

**Width** 151 mm | 5.945 in

**Depth** 171 mm | 6.732 in

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

## Outline Drawing



# E14F15P19

## Electrical Specifications, AISG

**AISG Carrier** 2176 KHz  $\pm$  100 ppm

## Electrical Specifications

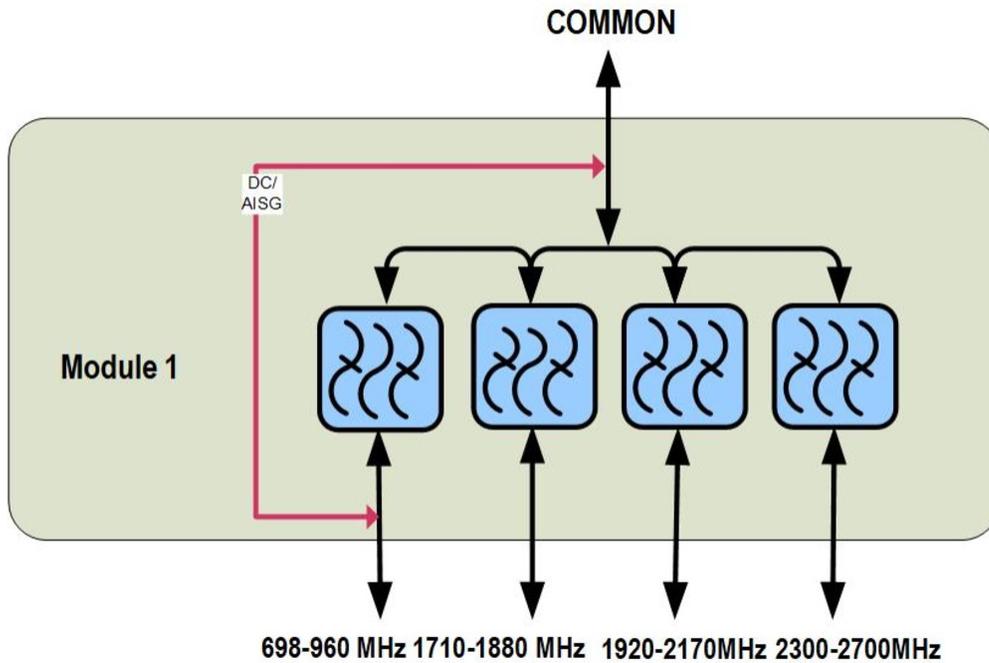
<b>Sub-module</b>	<b>1   2</b>	<b>1   2</b>	<b>1   2</b>	<b>1   2</b>
<b>Branch</b>	1	2	3	4
<b>Port Designation</b>	PORT 1 698-960	PORT 2 1710-1880	PORT 3 1920-2170	PORT 4 2300-2700
<b>License Band</b>	CEL 850, Band Pass CEL 900, Band Pass EDD 800, Band Pass LMR 800, Band Pass LMR 900, Band Pass	DCS 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

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

## Block Diagram

# E14F15P19



## Material Specifications

**Finish** Painted

## Mechanical Specifications

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

## 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** 1.2 L

**Weight, net** 1.6 kg | 3.527 lb