

# E14F15P35



Single Quadplexer 694-960/1350-1525/1710-1880/1920-2690 MHz,  
DC Bypass on Low port, with 4.3-10 connectors

- Industry leading PIM performance
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- Designed for network modernization application, introduction of LTE 4x4 MIMO
- Suitable for feeders cables reduction
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG pass-through on low frequency ports

This product will be discontinued on: December 30, 2024

## Product Classification

**Product Type** Quadplexer

## General Specifications

**Color** Gray

**Modularity** 1-Single

**Mounting** Pole | Wall

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

**RF Connector Interface** 4.3-10 Female

## Dimensions

**Height** 45.5 mm | 1.791 in

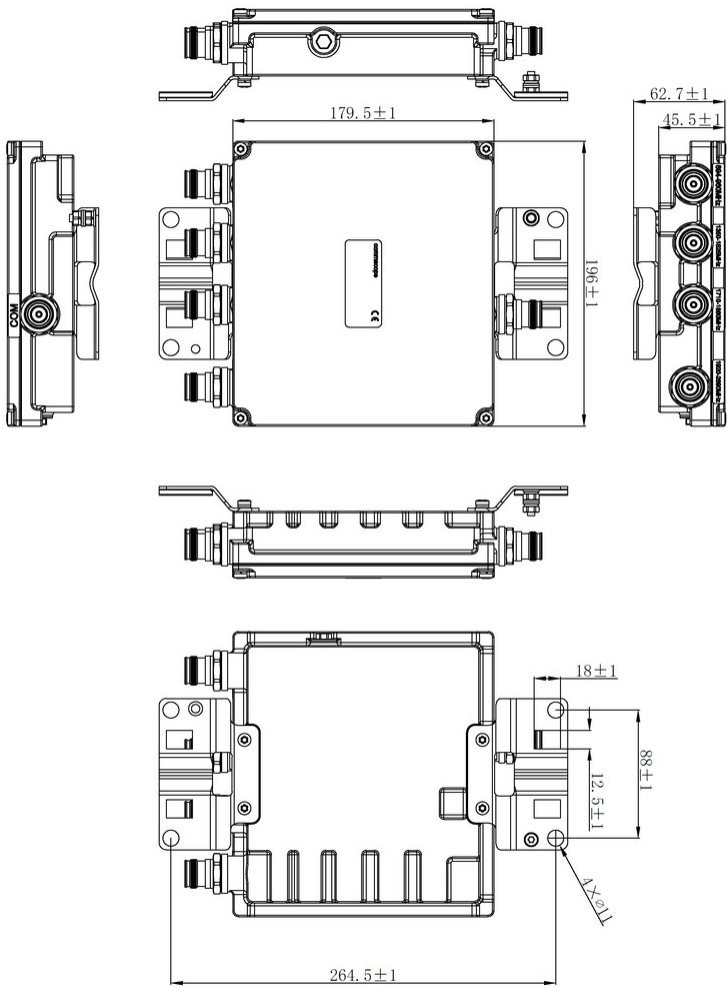
**Width** 196 mm | 7.717 in

**Depth** 179.5 mm | 7.067 in

**Mounting Pipe Diameter Range** 43–122 mm

## Outline Drawing

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## Electrical Specifications

**Impedance** 50 ohm

## Electrical Specifications, dc Power/Alarm

**Lightning Surge Current** 5 kA

**Lightning Surge Current Waveform** 8/20 waveform

## Electrical Specifications

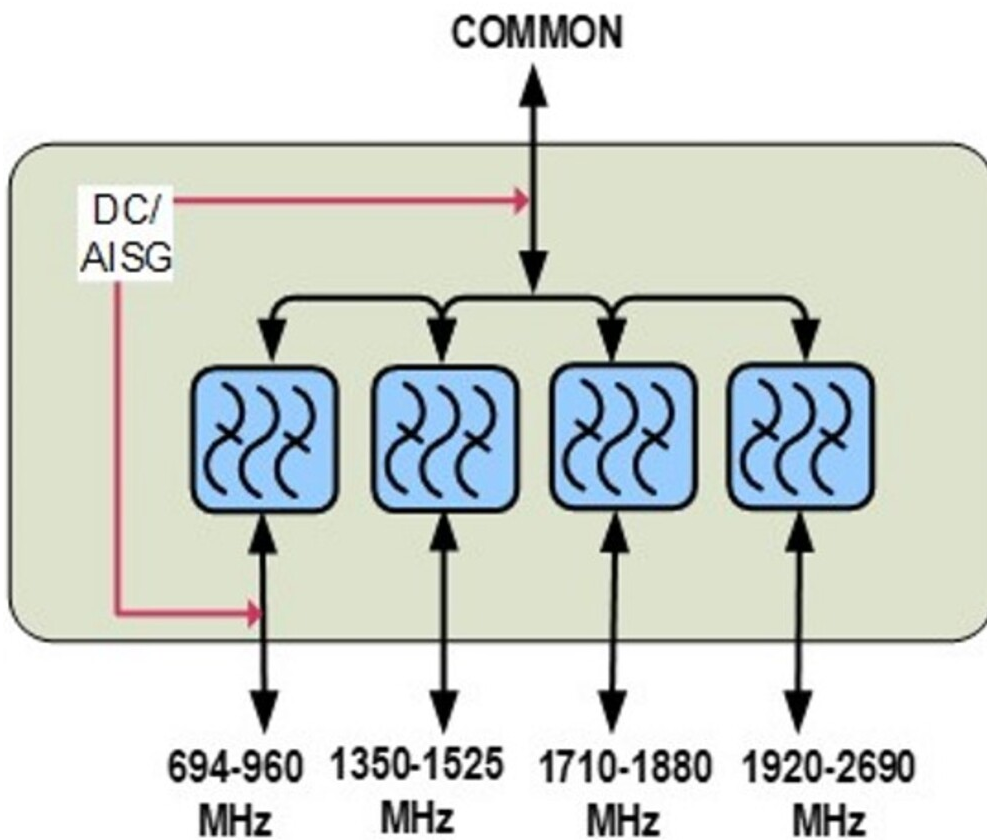
Sub-module	1   2	1   2	1   2	1   2
<b>Branch</b>	1	2	3	4
<b>Port Designation</b>	PORT 1 694-960MHz	PORT 2 1350-1525MHz	PORT 3 1710-1880MHz	PORT 4 1920-2690MHz

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## Electrical Specifications, Band Pass

Frequency Range, MHz	694–960	1350–1525	1710–1880	1920–2690
Insertion Loss, typical, dB	0.2	0.25	0.45	0.45
Return Loss, typical, dB	20	20	20	20
Isolation, typical, dB	40	40	40	40
Input Power, RMS, maximum, W	100	100	100	100
Input Power, PEP, maximum, W	1000	1000	1000	1000
3rd Order PIM, typical, dBc	-163	-163	-163	-163
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** 240 km/h (149 mph)

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## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +65 °C (-40 °F to +149 °F)
<b>Corrosion Test Method</b>	IEC 60068-2-11, 30 days
<b>Environmental Test Method</b>	ETSI EN 300 019-1-4
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP67
<b>Vibration Test Method</b>	IEC 60068-2-6

## Packaging and Weights

<b>Included</b>	Mounting hardware
<b>Volume</b>	1.6 L
<b>Weight, net</b>	2.6 kg   5.732 lb
<b>Weight, without mounting hardware</b>	2.4 kg   5.291 lb