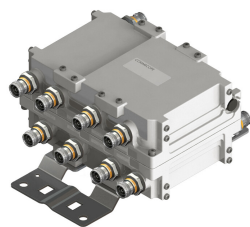


# E14F15P38



Twin Quadplexer 700-800//900//1400-2100//2300-2600 MHz, DC bypass on 1400-2100 MHz port and 2300-2600 MHz 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 high frequency ports

**OBSOLETE**

This product was discontinued on: December 30, 2024

**Replaced By:**

E14F15P43

Twin Quadplexer 700-800//900//1400-2100//2300-2600 MHz, DC/AISG Smart bypass, with 4.3-10 connectors

## Product Classification

Product Type

Quadplexer

## General Specifications

Color

Gray

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

230 mm | 9.055 in

Width

155 mm | 6.102 in

Depth

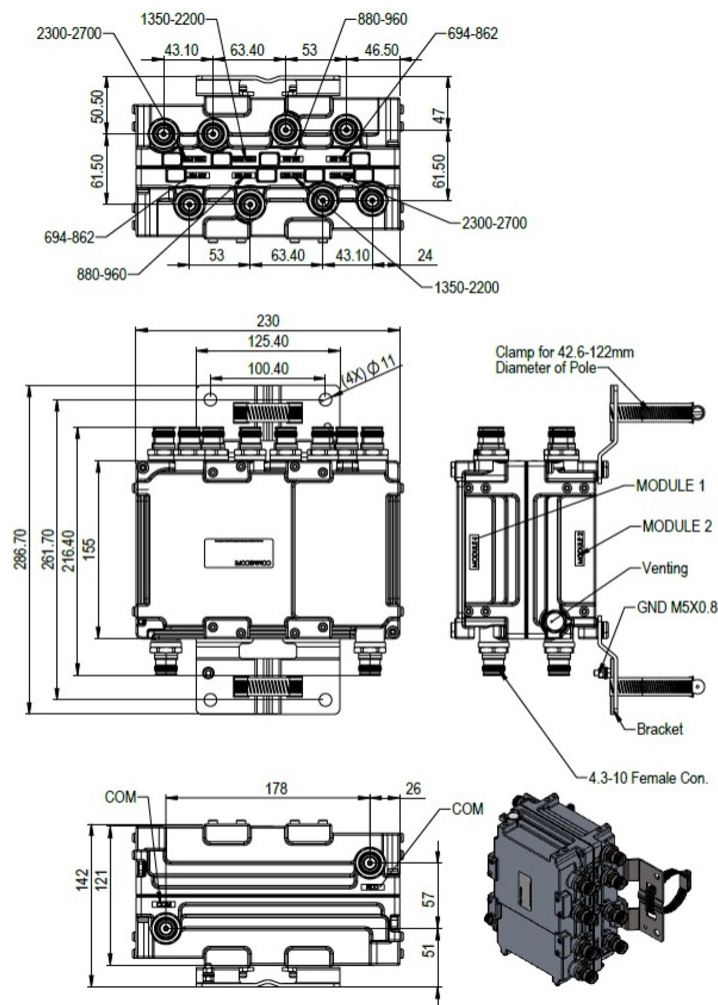
121 mm | 4.764 in

Mounting Pipe Diameter Range

43–122 mm

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## Outline Drawing



## Electrical Specifications

**Impedance** 50 ohm

## Electrical Specifications, dc Power/Alarm

**dc/AISG Pass-through, combiner** Branch 3 | Branch 4

**dc/AISG Pass-through, demultiplexer** Branch 3 | Branch 4

**Lightning Surge Current** 10 kA

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

## Electrical Specifications, AISG

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

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Insertion Loss, maximum	1 dB
Return Loss, minimum	15 dB

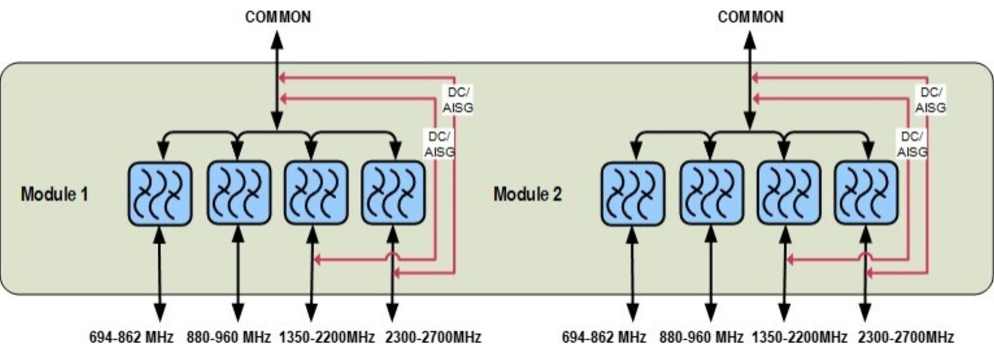
## Electrical Specifications

Sub-module	1   2	1   2	1   2	1   2
Branch	1	2	3	4
Port Designation	PORT 1 694-862MHz	PORT 2 880-960MHz	PORT 3 1350-2200MHz	PORT 4 2300-2700MHz

## Electrical Specifications, Band Pass

Frequency Range, MHz	694–862	880–960	1350–2200	2300–2700
Insertion Loss, typical, dB	0.15	0.25	0.15	0.15
Return Loss, typical, dB	20	20	20	20
Isolation, minimum, dB	50	50	50	50
Input Power, RMS, maximum, W	200	200	200	200
Input Power, PEP, maximum, W	2000	2000	2000	2000
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	150 km/h (93 mph)
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## Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Corrosion Test Method	IEC 60068-2-11, 30 days

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Environmental Test Method	ETSI EN 300 019-1-4
Ingress Protection Test Method	IEC 60529:2001, IP67

## Packaging and Weights

Included	Mounting hardware
Volume	4.3 L
Weight, net	6.1 kg   13.448 lb
Weight, without mounting hardware	5.6 kg   12.346 lb