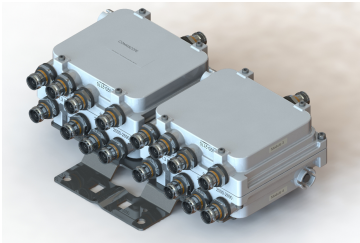


# E14F15P32

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Ultra Compact Quad Quadplexer 1325-1880/1920-2170/2300-2400 /2500-2690 MHz, with 4.3-10 connectors

- Industry leading PIM performance
- Suitable for feeders cables reduction
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG blocking on all ports

## Product Classification

**Product Type** Quadplexer

## General Specifications

**Color** Gray

**Modularity** 4-Quad

**Mounting** Pole | Wall

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

**RF Connector Interface** 4.3-10 Female

## Dimensions

**Height** 88 mm | 3.465 in

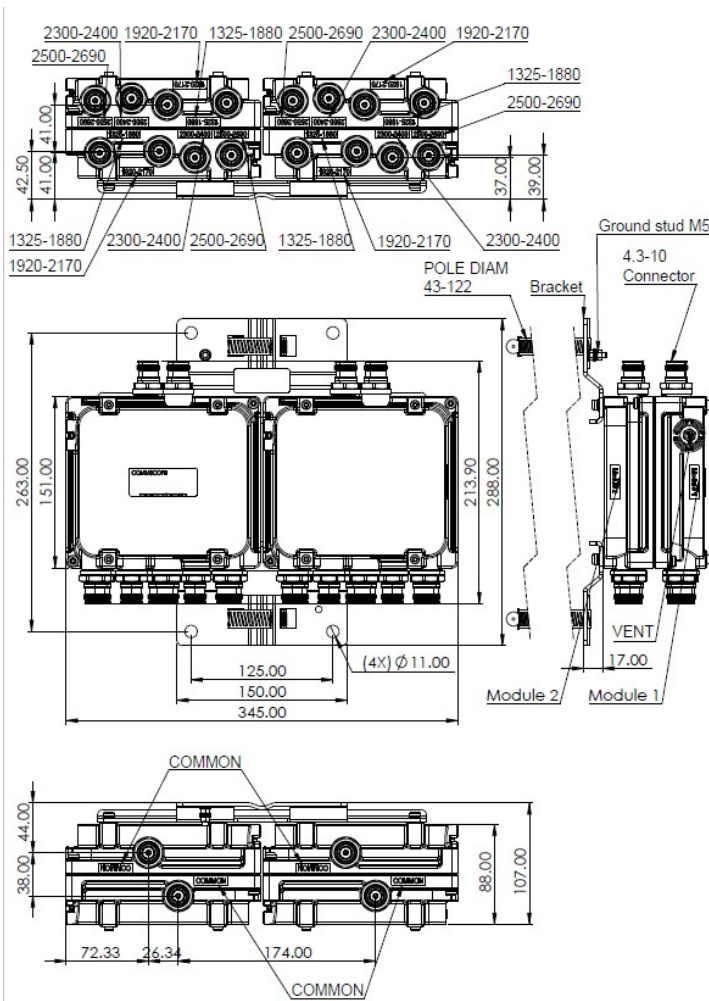
**Width** 345 mm | 13.583 in

**Depth** 151 mm | 5.945 in

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

## Outline Drawing

# E14F15P32



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Electrical Specifications, dc Power/Alarm</b>	
<b>dc/AISG Pass-through Method</b>	No dc/AISG pass-through
<b>Lightning Surge Current</b>	5 kA
<b>Lightning Surge Current Waveform</b>	8/20 waveform

## Electrical Specifications

<b>Sub-module</b>	1   2	1   2	1   2	1   2
<b>Branch</b>	1	2	3	4
<b>Port Designation</b>	PORT 1 1350-	PORT 2 1920-	PORT 3 2300-	PORT 4 2500-

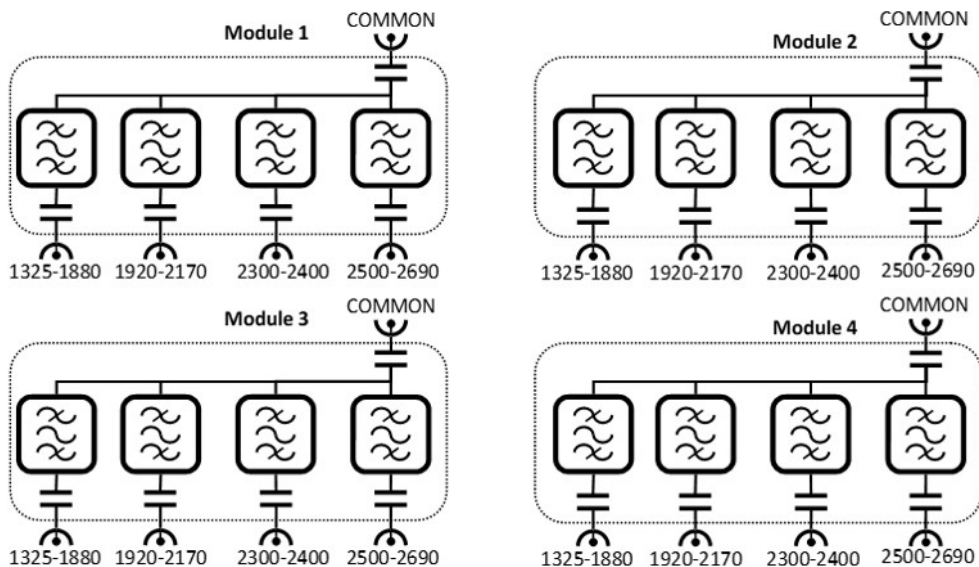
# E14F15P32

1880MHz                      2170MHz                      2400MHz                      2690MHz

## Electrical Specifications, Band Pass

Frequency Range, MHz	1350–1525 1710–1880	1920–2170	2300–2400	2500–2690
Insertion Loss, typical, dB	0.3	0.3	0.3	0.3
Return Loss, typical, dB	20	20	20	20
Isolation, typical, dB	37	37	37	37
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)

## Environmental Specifications

**Operating Temperature**                      -40 °C to +65 °C (-40 °F to +149 °F)

**Corrosion Test Method**                      IEC 60068-2-11, 30 days

**Environmental Test Method**                      ETSI EN 300 019-1-4

**Ingress Protection Test Method**                      IEC 60529:2001, IP67

# E14F15P32

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## Packaging and Weights

<b>Included</b>	Mounting hardware
<b>Volume</b>	4.6 L
<b>Weight, with mounting hardware</b>	6.7 kg   14.771 lb
<b>Weight, without mounting hardware</b>	5.8 kg   12.787 lb