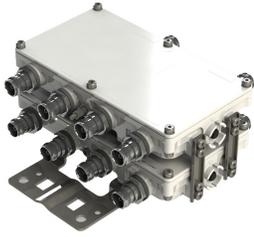


# E14F06P46

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Ultra Compact Quad Diplexer, 3400–3600/3700–4100 MHz, DC/AISG  
Bypass on low frequency port, with 4.3-10 connectors

- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG blocking on all ports
- New Combining Solution to introduce 5G, 3.5GHz band
- Compact form factor with reduced size and weight

## Product Classification

**Product Type** Diplexer

## General Specifications

**Color** Gray

**Modularity** 2-Twin

**Mounting** Pole | Wall

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

**RF Connector Interface** 4.3-10 Female

## Dimensions

**Height** 92 mm | 3.622 in

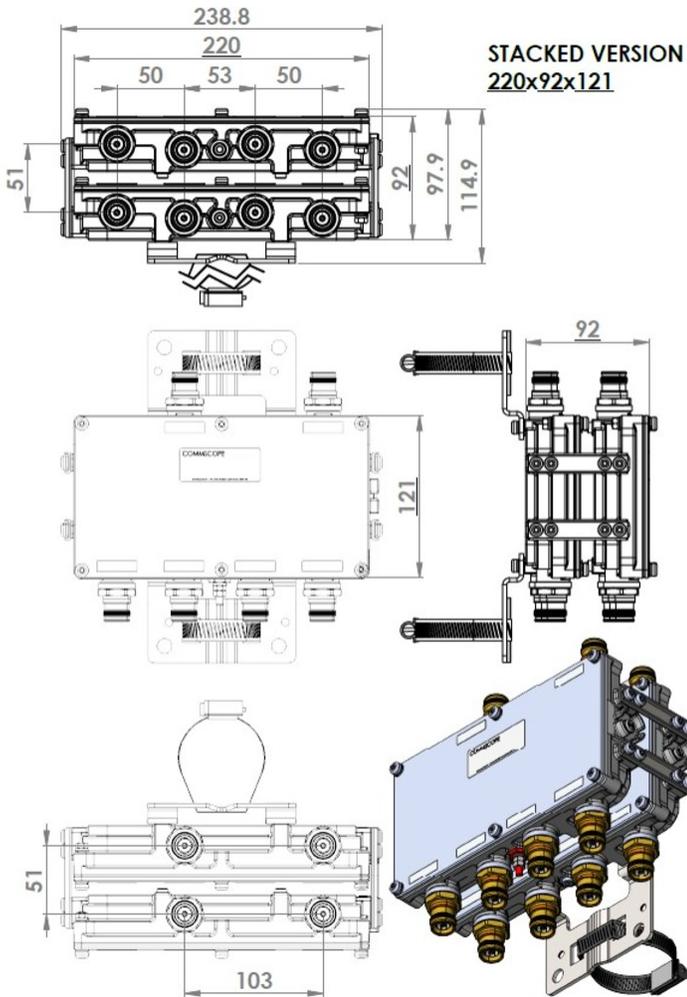
**Width** 220 mm | 8.661 in

**Depth** 121 mm | 4.764 in

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

## Outline Drawing

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## Electrical Specifications

**Impedance** 50 ohm

## Electrical Specifications, dc Power/Alarm

**dc/AISG Pass-through Path** Branch 1

**dc/AISG Pass-through, combiner** Branch 1

**dc/AISG Pass-through, demultiplexer** Branch 1

## Electrical Specifications

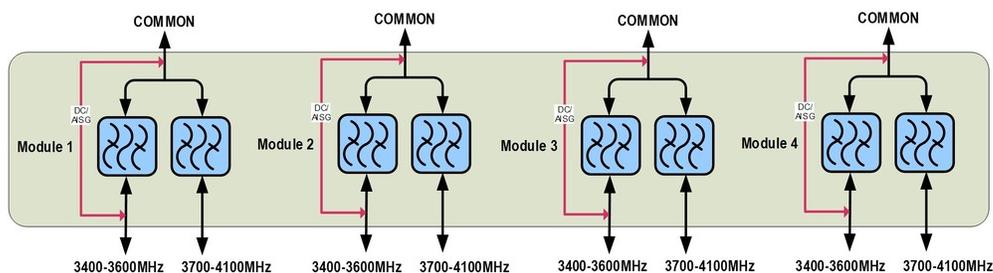
<b>Sub-module</b>	1   2	1   2
<b>Branch</b>	1	2
<b>Port Designation</b>	PORT 1 3400-3600	PORT 2 3700-4100

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## Electrical Specifications, Band Pass

Frequency Range, MHz	3400–3600	3700–4100
Insertion Loss, typical, dB	0.4	0.4
Return Loss, typical, dB	20	20
Isolation, typical, dB	35	35
Input Power, RMS, maximum, W	100	100
Input Power, PEP, maximum, W	1000	1000
3rd Order PIM, maximum, dBc	-150	-150
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

## Block Diagram



## 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

## Packaging and Weights

Included	Mounting hardware
Volume	2.45 L
Weight, net	4.8 kg   10.582 lb
Weight, without mounting hardware	4.5 kg   9.921 lb