

# E14F06P70

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Ultra Compact Quad Diplexer, 2550–2570/2670–2690 MHz, DC Block, 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
- Compact form factor with reduced size and weight

## Product Classification

**Product Type** Diplexer

## 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** 131 mm | 5.157 in

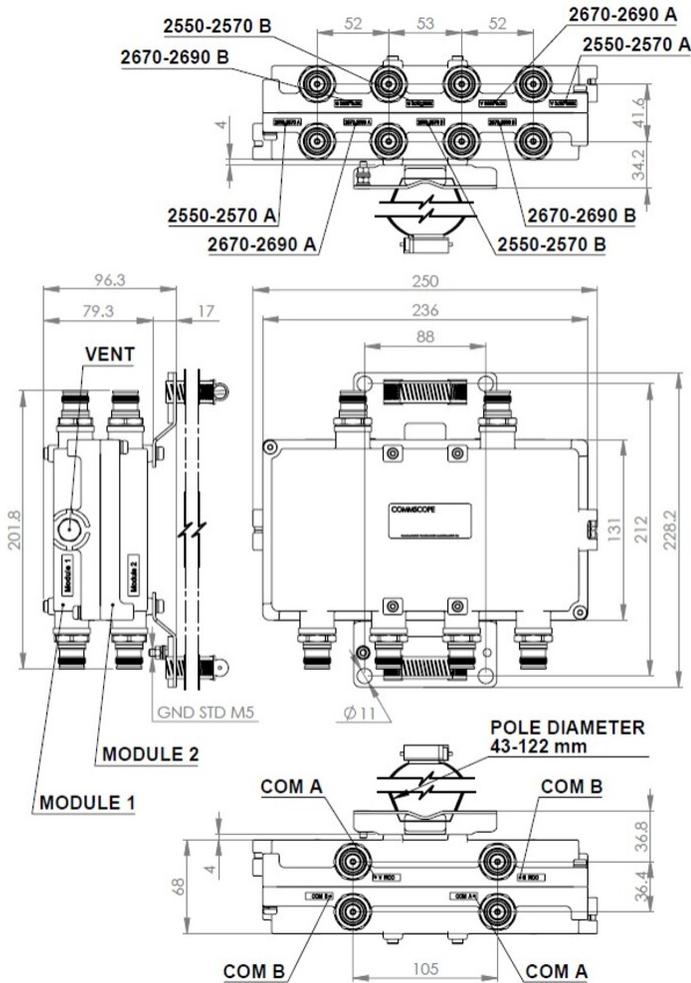
**Width** 68 mm | 2.677 in

**Depth** 236 mm | 9.291 in

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

## Outline Drawing

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## Electrical Specifications

**Impedance** 50 ohm

## Electrical Specifications, dc Power/Alarm

**dc/AISG Pass-through Method** No dc/AISG pass-through

## Electrical Specifications

Sub-module	1   2	1   2
<b>Branch</b>	1	2
<b>Port Designation</b>	PORT 1 2550-2570	PORT 2 2670-2690

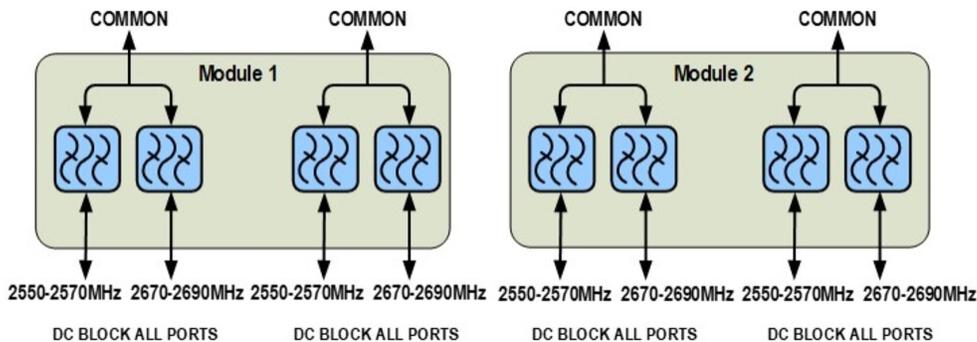
## Electrical Specifications, Band Pass

Frequency Range, MHz	2550-2570	2670-2690
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<b>Insertion Loss, typical, dB</b>	0.15	0.15
<b>Return Loss, typical, dB</b>	20	20
<b>Isolation, typical, dB</b>	45	45
<b>Input Power, RMS, maximum, W</b>	100	100
<b>Input Power, PEP, maximum, W</b>	1000	1000

## Block Diagram



## 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

## Packaging and Weights

<b>Included</b>	Mounting hardware
<b>Volume</b>	2.1 L
<b>Weight, net</b>	3.6 kg   7.937 lb
<b>Weight, without mounting hardware</b>	3.4 kg   7.496 lb