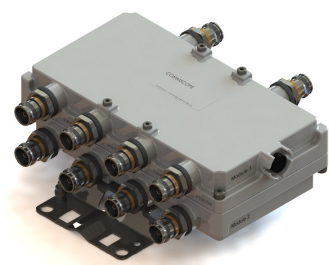


E14F06P70



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

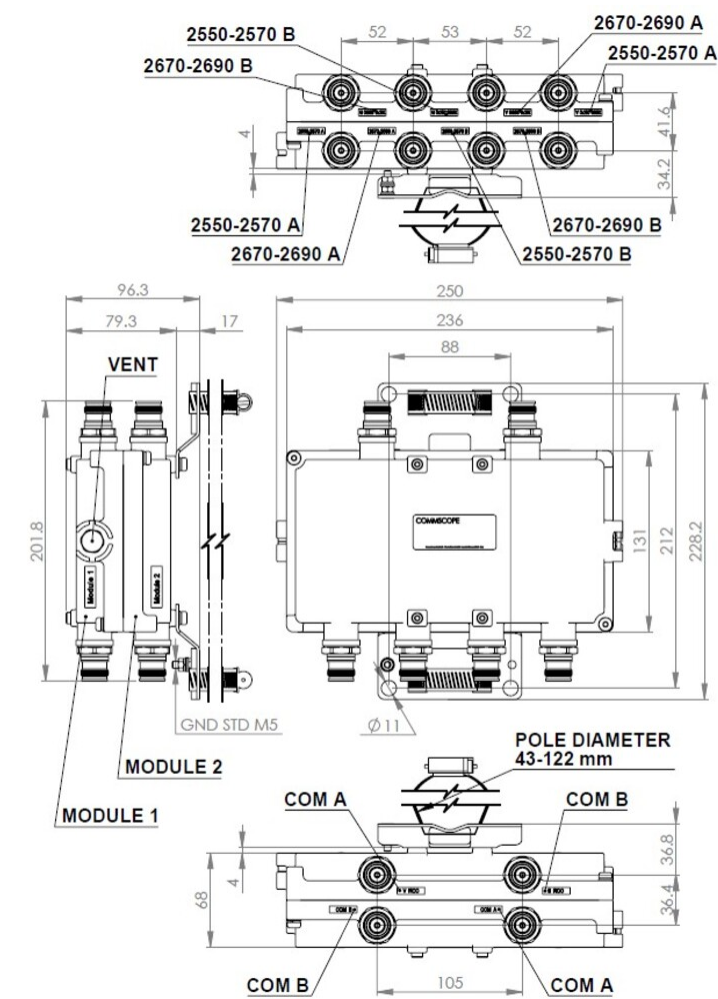
Width 68 mm | 2.677 in

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

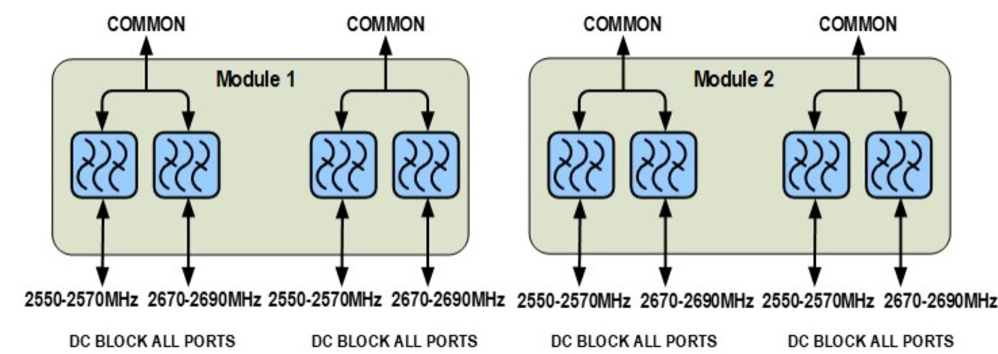
Electrical Specifications

| | | |
|-----------------------------|------------------|------------------|
| Sub-module | 1 2 | 1 2 |
| Branch | 1 | 2 |
| Port Designation | PORT 1 2550-2570 | PORT 2 2670-2690 |
| Frequency Range, MHz | 2550-2570 | 2670-2690 |

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| | | |
|------------------------------|------|------|
| Insertion Loss, typical, dB | 0.15 | 0.15 |
| Return Loss, typical, dB | 20 | 20 |
| Isolation, typical, dB | 45 | 45 |
| Input Power, RMS, maximum, W | 100 | 100 |
| Input Power, PEP, maximum, W | 1000 | 1000 |

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 | 2.1 L |
| Weight, net | 3.6 kg 7.937 lb |
| Weight, without mounting hardware | 3.4 kg 7.496 lb |