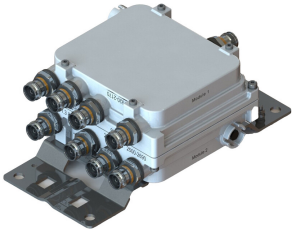


E14F15P31



Ultra Compact Twin Quadplexer 1325-1880/1920-2170/2300-2400 /2500-2690 MHz, All ports DC block, with 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG blocking on all ports
- Clam shell configuration

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

Dimensions

Height 88 mm | 3.465 in

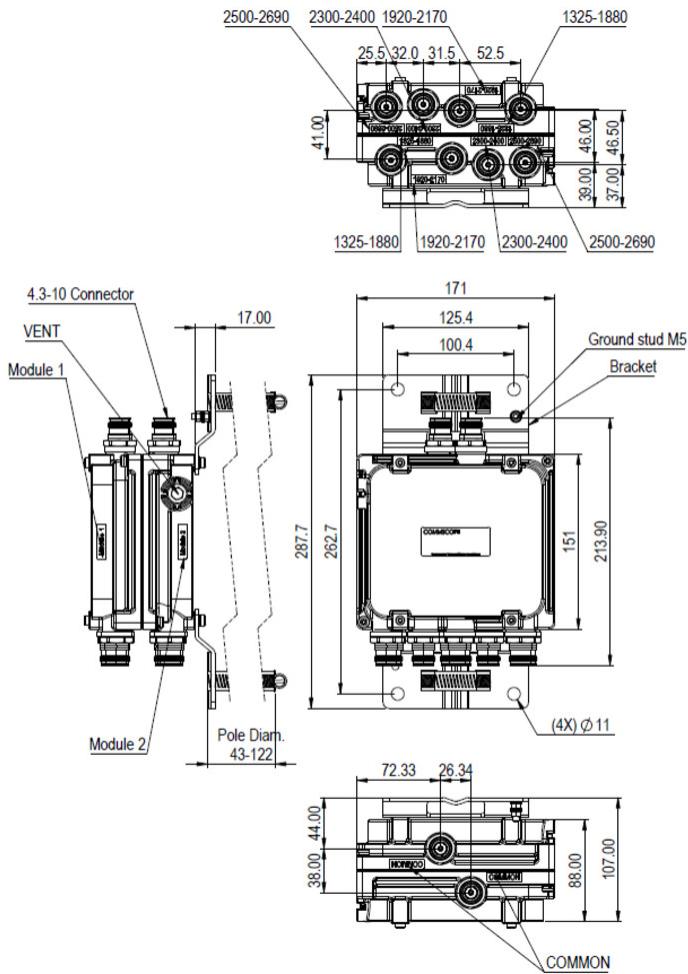
Width 171 mm | 6.732 in

Depth 151 mm | 5.945 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 Method No dc/AISG pass-through

Lightning Surge Current 5 kA

Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications

Sub-module	1 2	1 2	1 2	1 2
Branch	1	2	3	4
Port Designation	PORT 1 1325-	PORT 2 1920-	PORT 3 2300-	PORT 4 2500-

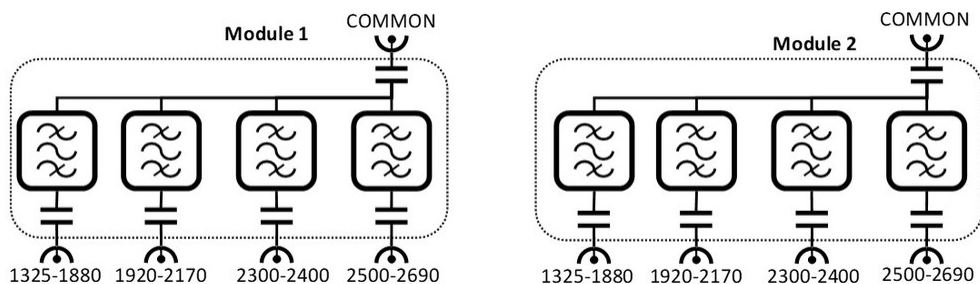
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1880MHz 2170MHz 2400MHz 2690MHz

Electrical Specifications, Band Pass

Frequency Range, MHz	1325–1525 1710–1880	1920–2170	2300–2400	2500–2690
Insertion Loss, maximum, dB	0.5	0.5	0.5	0.5
Return Loss, minimum, dB	18	18	18	18
Isolation, minimum, dB	35	35	35	35
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

Vibration Test Method IEC 60068-2-6

Packaging and Weights

Included Mounting hardware

Volume 2.3 L

Weight, without mounting hardware 2.6 kg | 5.732 lb