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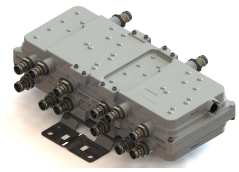

Quad Triplexer 1695-2200/2300-2400/2500-2690, band rejection in 2285-2295, dc bypass on all ports, with 4.3-10 connectors

- Ideal for small cell applications
- Compact form factor with reduced size and weight
- Suitable for space limited applications like Metro Cell, Lamp Pole, Concealment Solution and Macro Site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network modernization application, introduction of LTE 4x4 MIMO
- Quad configuration, 4x4 MIMO ready
- dc/AISG pass-through on all frequency ports

Product Classification

Product Type	Triplexer

General Specifications

Modularity	4-Quad
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	4.3-10 Female

Dimensions

Height	94 mm | 3.701 in
Width	398 mm | 15.669 in
Depth	167 mm | 6.575 in
Mounting Pipe Diameter Range	42.6–122 mm

Outline Drawing

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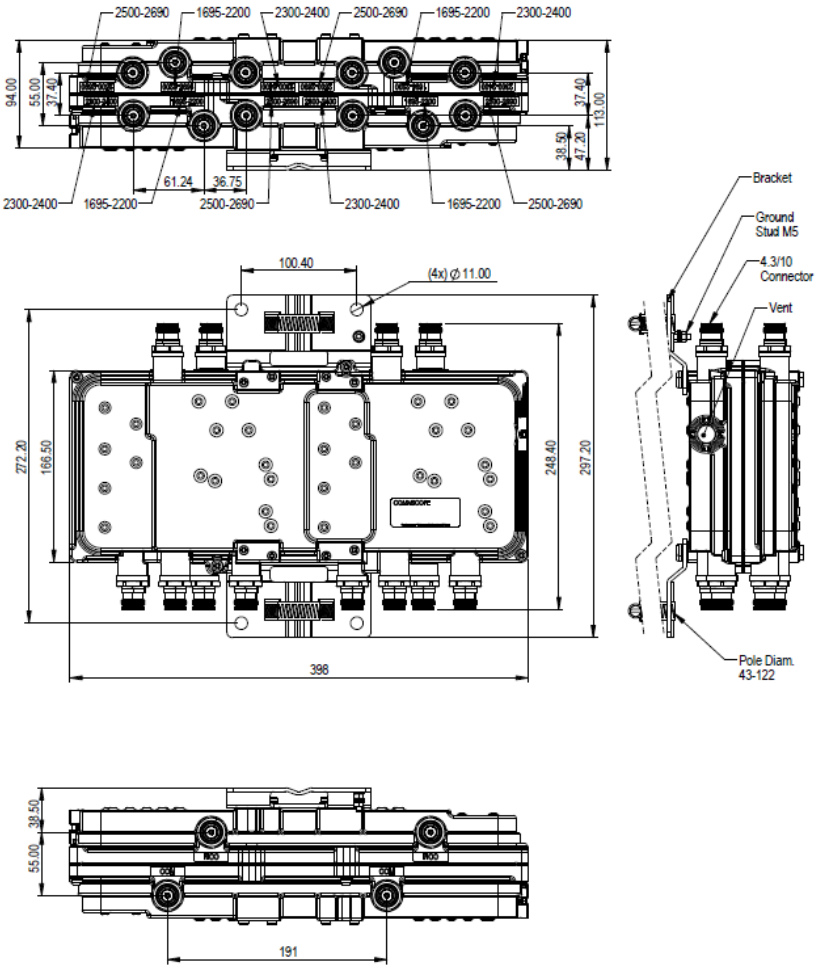

Electrical Specifications

Impedance	50 ohm

Electrical Specifications, dc Power/Alarm

Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**	**1 | 2**
Branch	1	2	3
Port Designation	1695-2200	2300-2400	2500-2690

Electrical Specifications, Band Pass

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Frequency Range, MHz	1695–2200	2300–2302	2500–2690
Insertion Loss, typical, dB	0.15	0.6	0.6
Return Loss, typical, dB	20	20	20
Isolation, typical, dB	35	35	35
Input Power, RMS, maximum, W	120	120	120
Input Power, PEP, maximum, W	1200	1200	1200
3rd Order PIM, typical, dBc	-155	-155	-155
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Electrical Specifications, Band Reject

Frequency Range, MHz	2290–2295
Attenuation, minimum, dB	35

Electrical Specifications

Sub-module	1 | 2
Branch	2
Port Designation	2300-2400

Electrical Specifications, Band Pass

Frequency Range, MHz	2302–2400
Insertion Loss, typical, dB	0.2
Return Loss, typical, dB	20
Isolation, typical, dB	35
Input Power, RMS, maximum, W	120
Input Power, PEP, maximum, W	1200
3rd Order PIM, typical, dBc	-155
3rd Order PIM Test Method	Two +43 dBm carriers

Electrical Specifications, Band Reject

Frequency Range, MHz	2290–2295
Attenuation, minimum, dB	35

Block Diagram

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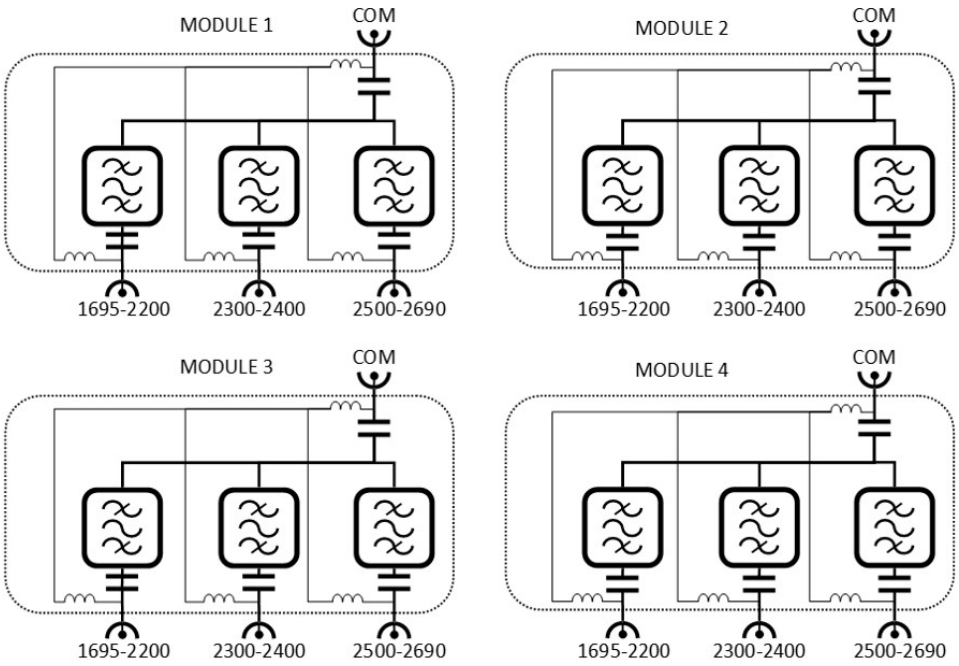

Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °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	6.2 L
Weight, net	9 kg | 19.842 lb
Weight, without mounting hardware	8.45 kg | 18.629 lb