

#### Ultra Compact Quad Quadplexer 1325-1880/1920-2170/2300-2400 /2500-2690 MHz, with 4.3-10 connectors

- Industry leading PIM performance
- Suitable for feeders cables reduction
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG blocking on all ports

#### Product Classification

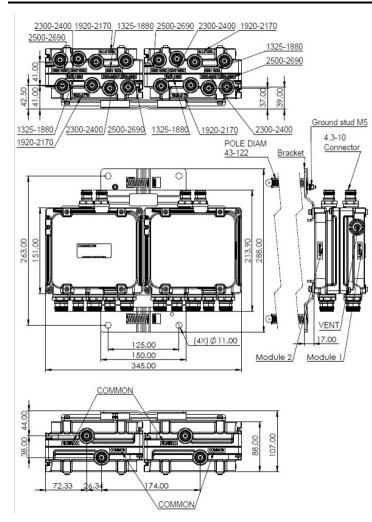
Product Type	Quadplexer	
General Specifications		
Color	Gray	
Modularity	4-Quad	
Mounting	Pole   Wall	
Mounting Pipe Hardware	Band clamps (2)	
RF Connector Interface	4.3-10 Female	
Dimensions		
Height	88 mm   3.465 in	
Width	345 mm   13.583 in	
Depth	151 mm   5.945 in	
Mounting Pipe Diameter Range	42.6-122 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 1350-	PORT 2 1920-	PORT 3 2300-	PORT 4 2500-

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	1880MHz	2170MHz	2400MHz	2690MHz
Electrical Specifications	, Band Pass			
Frequency Range, MHz	1350–1525 1710–1880	1920-2170	2300-2400	2500-2690
Insertion Loss, typical, dB	0.3	0.3	0.3	0.3
Return Loss, typical, dB	20	20	20	20
Isolation, typical, dB	37	37	37	37
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

COMMON

2500-2690

COMMON

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2500-2690

Module 2

2300-2400

Module 4

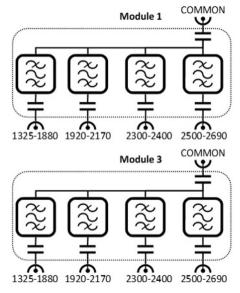
2300-2400

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1325-1880 1920-2170

1325-1880 1920-2170

# 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

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## Packaging and Weights

Included	Mounting hardware
Volume	4.6 L
Weight, with mounting hardware	6.7 kg   14.771 lb
Weight, without mounting hardware	5.8 kg   12.787 lb

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