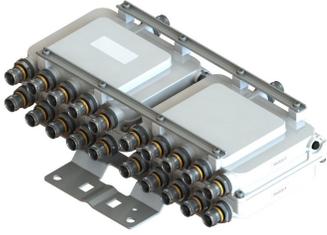


E14F20P19



Quad Pentaplexer 617-960/1350-2200/2300-2400/2496-2700/3300-4200, DC/AISG bypass on all frequency ports, with 4.3-10 connectors

- New Combining Solution to introduce 5G, 3.5GHz band
- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- Suitable for feeders cables reduction
- dc/AISG pass-through on all frequency ports
- Quad configuration, 4x4 MIMO ready

Product Classification

Product Type Pentaplexer

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

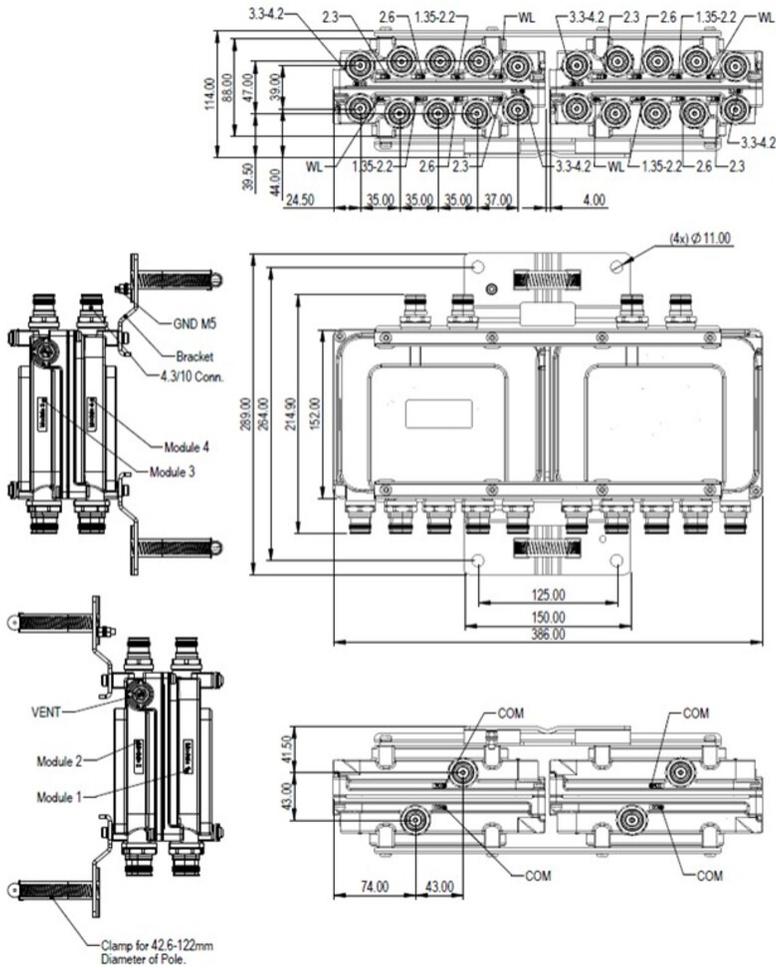
Width 386 mm | 15.197 in

Depth 152 mm | 5.984 in

Mounting Pipe Diameter Range 43–122 mm

Outline Drawing

E14F20P19



Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	APT 700 AWS 1700 CEL 850 CEL 900 DCS 1800 EDD 800 IMT 2100 IMT 2600 SDL 1400 TDD 2300 TDD 2600 TDD 3500 USA 600

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Path	Branch 1 Branch 2 Branch 3 Branch 4 Branch 5
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

Electrical Specifications

Sub-module	1 2	1 2	1 2	1 2	1 2
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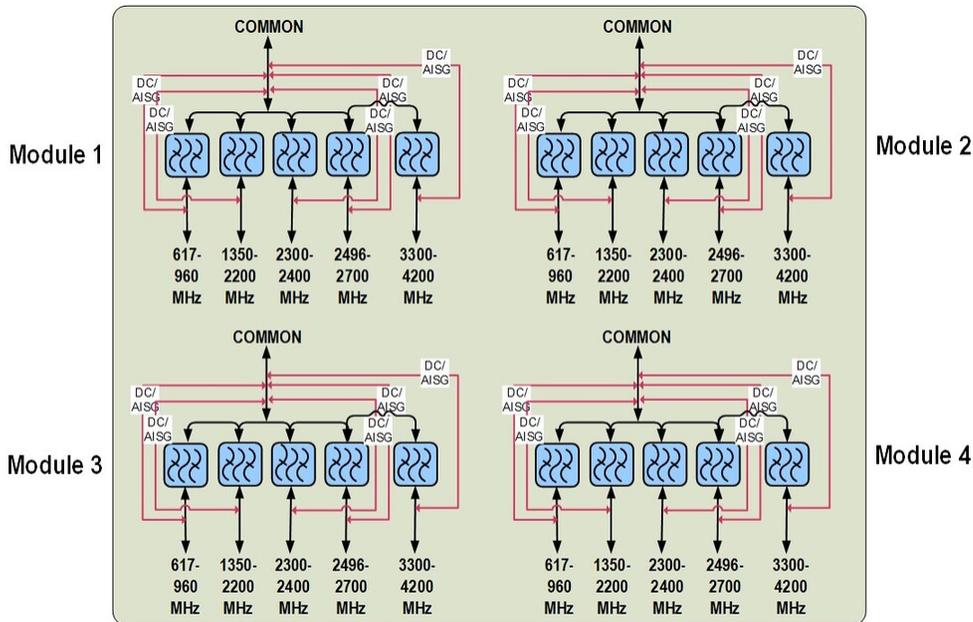
E14F20P19

Branch	1	2	3	4	5
Port Designation	PORT 1 617-960	PORT 2 1350-2200	PORT 3 2300-2400	PORT 4 2496-2700	PORT 5 3300-4200
License Band	APT 700, Band Pass USA 600, Band Pass CEL 850, Band Pass CEL 900, Band Pass EDD 800, Band Pass	PCS 1900, Band Pass AWS 1700, Band Pass SDL 1400, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass	TDD 2300, Band Pass	TDD 2600, Band Pass IMT 2600, Band Pass	TDD 3500, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	617–960	1350–2200	2300–2400	2496–2700	3300–4200
Insertion Loss, typical, dB	0.15	0.1	0.2	0.15	0.15
Return Loss, typical, dB	20	20	20	20	20
Isolation, typical, dB	38	38	38	38	38
Input Power, RMS, maximum, W	125	125	125	125	125
Input Power, PEP, maximum, W	1250	1250	1250	1250	1250
3rd Order PIM, typical, dBc	-155	-155	-155	-155	-155
3rd Order PIM Test Method	Two +43 dBm carriers				

Block Diagram



Mechanical Specifications

Wind Speed, maximum 200 km/h (124 mph)

E14F20P19

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	5.2 L
Weight, net	8.55 kg 18.85 lb
Weight, without mounting hardware	7.6 kg 16.755 lb