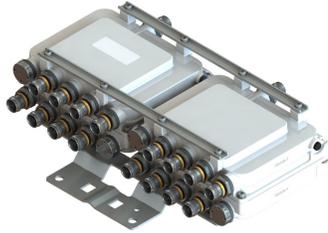


E14F15P44



Quad Quadplexer 617-960/1350-2200/2300-2400/2496-2700 MHz,
4.3-10 connectors,dc bypass on all ports

- Industry leading PIM performance
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction
- Suitable for feeders cables reduction

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

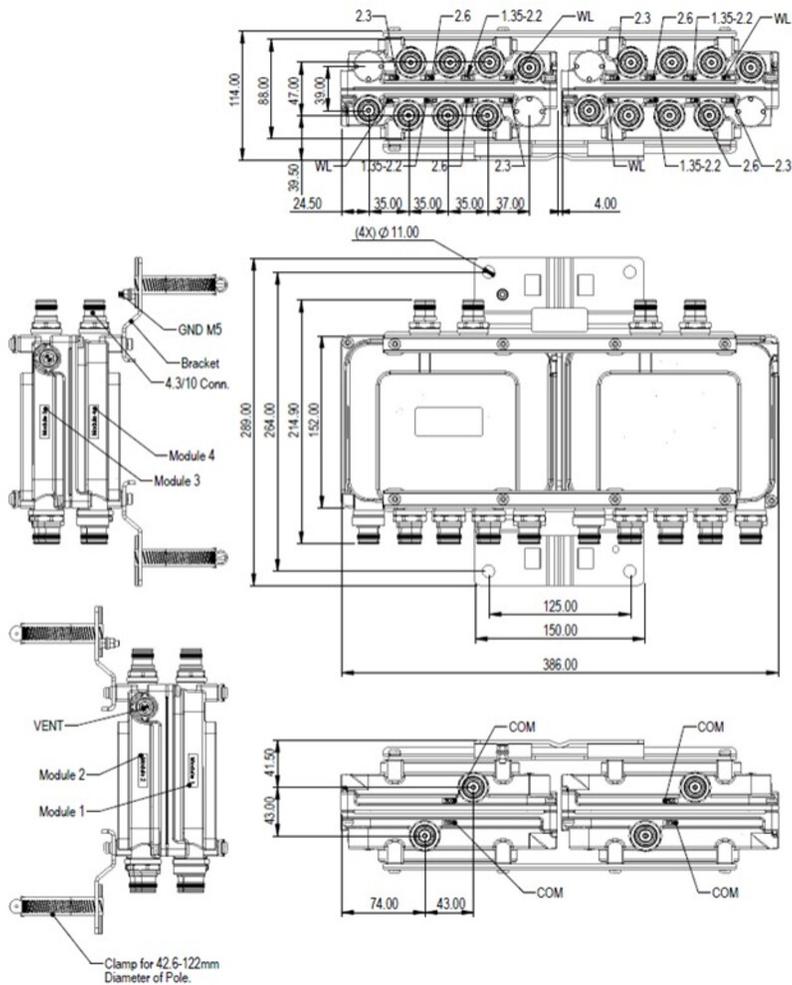
Width 386 mm | 15.197 in

Depth 152 mm | 5.984 in

Mounting Pipe Diameter Range 43–122 mm

Outline Drawing

E14F15P44



Electrical Specifications

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

Electrical Specifications, dc Power/Alarm

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

Electrical Specifications, AISG

AISG Carrier	2176 KHz \pm 100 ppm
---------------------	------------------------

E14F15P44

Insertion Loss, maximum	0.1 dB
Return Loss, minimum	18 dB

Electrical Specifications

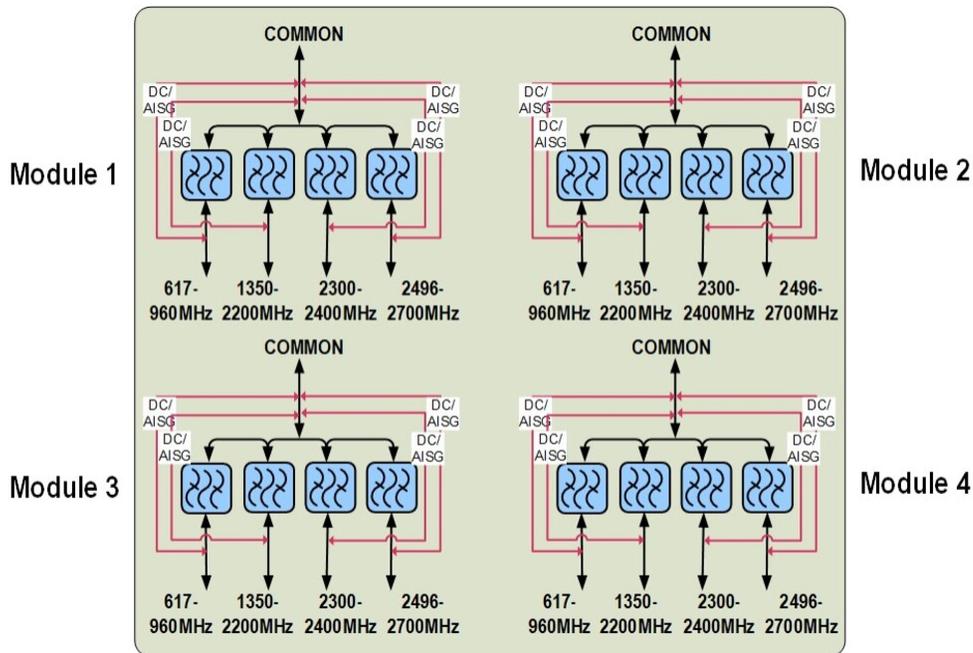
Sub-module	1 2	1 2	1 2	1 2
Branch	1	2	3	4
Port Designation	PORT 1 617-960	PORT 2 1350-2200	PORT 3 2300-2400	PORT 4 2496-2700
License Band	APT 700, Band Pass LMR 750, Band Pass LMR 800, Band Pass LMR 900, Band Pass USA 600, Band Pass CEL 850, Band Pass CEL 900, Band Pass EDD 800, Band Pass	LMR 900, Band Pass PDC 1500, 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

Electrical Specifications, Band Pass

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

Block Diagram

E14F15P44



Mechanical Specifications

Wind Speed, maximum 200 km/h (124 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 5.2 L

Weight, with mounting hardware 8.45 kg | 18.629 lb

Weight, without mounting hardware 7.5 kg | 16.535 lb