

Twin Quadplexer 700-800//900//1400-2100//2300-2600 MHz, DC /AISG Smart bypass, with 4.3-10 connectors

- Industry leading PIM performance
- Designed for network modernization application, introduction of LTE2300 and LTE2600 on existing site
- Designed for network modernization application, introduction of LTE 4x4 MIMO
- Suitable for feeders cables reduction
- New 4.3-10 connectors for improved PIM performance and size reduction
- DC/AISG SMART bypass functionality

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

RF Connector Interface Body Style Medium neck

Dimensions

 Height
 230 mm | 9.055 in

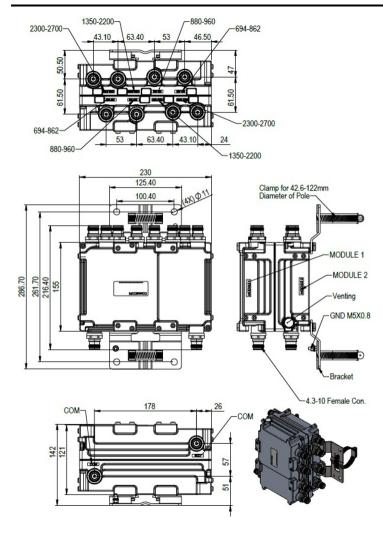
 Width
 155 mm | 6.102 in

 Depth
 121 mm | 4.764 in

Mounting Pipe Diameter Range 43–122 mm

Outline Drawing





Electrical Specifications

Impedance 50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combinerAutosensingdc/AISG Pass-through, demultiplexerAutosensingLightning Surge Current10 kA

Lightning Surge Current Waveform 8/20 waveform

Electrical Specifications, AISG

AISG Carrier 2176 KHz ± 100 ppm

Insertion Loss, maximum 1 dB



Return Loss, minimum 15 dB

Electrical Specifications

Sub-module	1 2	1 2	1 2	1 2
Branch	1	2	3	4

 Port Designation
 PORT 1 694-862MHz
 PORT 2 880-960MHz
 PORT 3 1350 PORT 4 2300

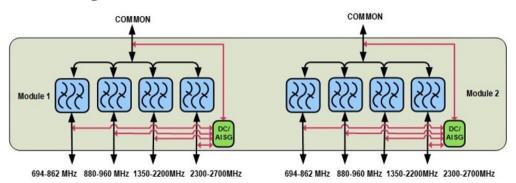
2200MHz 2700MHz

Electrical Specifications, Band Pass

Frequency Range, MHz	694-862	880-960	1350-2200	2300-2700
Insertion Loss, typical, dB	0.15	0.25	0.15	0.15
Return Loss, typical, dB	20	20	20	20
Isolation, minimum, dB	50	50	50	50
Input Power, RMS, maximum, W	200	200	200	200
Input Power, PEP, maximum, W	2000	2000	2000	2000
3rd Order PIM, typical, dBc	-160	-160	-160	-160

3rd Order PIM Test MethodTwo +43 dBm carriers Two +43 dBm carriers Two +43 dBm carriers

Block Diagram



Mechanical Specifications

Wind Speed, maximum 150 km/h (93 mph)

Environmental Specifications

Operating Temperature $-40 \, ^{\circ}\text{C} \text{ to } +65 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F to } +149 \, ^{\circ}\text{F})$

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 4.3 L

Weight, net $6.1 \text{ kg} \mid 13.448 \text{ lb}$ Weight, without mounting hardware $5.6 \text{ kg} \mid 12.346 \text{ lb}$

