Ultra Compact Quad Diplexer, 2550–2570/2670–2690 MHz, DC Block, with 4.3-10 connectors

- Industry leading PIM performance
- New 4.3-10 connectors for improved PIM performance and size reduction
- DC/AISG blocking on all ports
- Compact form factor with reduced size and weight

**Product Classification**

- **Product Type**: Diplexer

**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**: 131 mm | 5.157 in
- **Width**: 68 mm | 2.677 in
- **Depth**: 236 mm | 9.291 in
- **Mounting Pipe Diameter Range**: 43–122 mm
Electrical Specifications

Impedance

50 ohm

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method

No dc/AISG pass-through

Electrical Specifications

Sub-module

Branch

Port Designation

PORT 1 2550-2570
PORT 2 2670-2690

Electrical Specifications, Band Pass

Frequency Range, MHz

2550–2570
2670–2690
Insertion Loss, typical, dB
0.15 0.15

Return Loss, typical, dB
20 20

Isolation, typical, dB
45 45

Input Power, RMS, maximum, W
100 100

Input Power, PEP, maximum, W
1000 1000

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
2.1 L

Weight, net
3.6 kg | 7.937 lb

Weight, without mounting hardware
3.4 kg | 7.496 lb