

SQX6192342T-43 | E14F15P28



Compact Twin Quadplexer 617-960/AWS-WCS/PCS/ CBRS-C-Band, DC on 617-960, 4.3-10 connectors

- New Combining Solution to introduce 5G, 3.5GHz band
- BTS-to-feeder and feeder-to-antenna application
- New 4.3-10 connectors for improved PIM performance and size reduction
- dc/AISG pass-through on low frequency ports
- Suitable for space limited applications like Metro Cell, Lamp Pole, Concealment Solution and Macro Site
- Ideal for small cell applications

Product Classification

Product Type Quadplexer

General Specifications

Color Gray

Common Port Label COMM

Modularity 2-Twin

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

RF Connector Interface 4.3-10 Female

RF Connector Interface Body Style Long neck

Dimensions

Height 117 mm | 4.606 in

Width 181 mm | 7.126 in

Depth 87 mm | 3.425 in

Ground Screw Diameter 5 mm | 0.197 in

Mounting Pipe Diameter Range 42.6–122 mm

Outline Drawing

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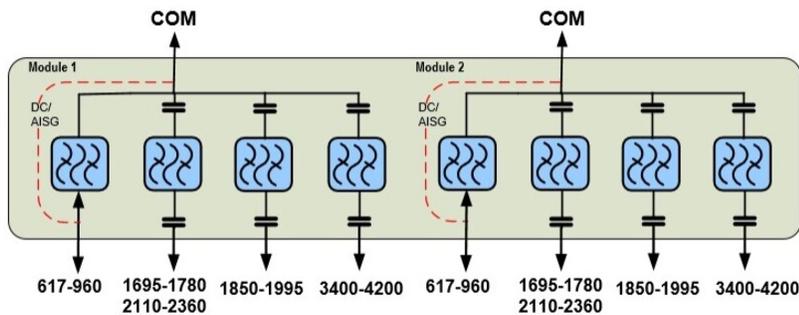
Electrical Specifications

Sub-module	1 2	1 2	1 2	1 2
Branch	1	2	3	4
Port Designation	617-960	PCS	AWS-WCS	CBRS, C-Band
License Band	USA 700, Band Pass USA 750, Band Pass USA 600, Band Pass CEL 850, Band Pass CEL 900, Band Pass	PCS 1900, Band Pass	WCS 2300, Band Pass AWS 1700, Band Pass AWS 2000, Band Pass	TDD 3500, Band Pass

Electrical Specifications, Band Pass

Frequency Range, MHz	617-960	1850-1995	1695-1780 2110-2360	3400-4200
Insertion Loss, maximum, dB	0.3	0.3	0.3	0.3
Total Group Delay, maximum, ns	5	15	15	5
Return Loss, typical, dB	20	20	20	20
Isolation, minimum, dB	35 @ 1695-2360 50 @ 3400-4200	35 @ 617-960 35 @ 1695-1780 35 @ 2110-2360 50 @ 3400-4200	35 @ 617-960 35 @ 1850-1995 50 @ 3400-4200	35
Input Power, RMS, maximum, W	160	120	120	80
Input Power, PEP, maximum, W	1600	1200	1200	800
3rd Order PIM, maximum, dBc	-155	-155	-155	-145
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram



Mechanical Specifications

Wind Loading @ Velocity, frontal 28.0 N @ 150 km/h (6.3 lbf @ 150 km/h)

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Wind Loading @ Velocity, lateral 9.0 N @ 150 km/h (2.0 lbf @ 150 km/h)

Environmental Specifications

Operating Temperature -40 °C to +65 °C (-40 °F to +149 °F)

Relative Humidity Up to 100%

Corrosion Test Method IEC 60068-2-11, 30 days

Ingress Protection Test Method IEC 60529:2001, IP67

Packaging and Weights

Included Mounting hardware

Mounting Hardware Weight 0.2 kg | 0.441 lb

Volume 1.77 L

Weight, without mounting hardware 3.25 kg | 7.165 lb