

# SQX781926-43 | E14F55P13



## Compact Quadplexer, 700/850/PCS/AWS-WCS-BRS, 4.3-10

- BTS-to-feeder and feeder-to-antenna application
- 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
- Available in single (SQX781926-43) and twin (SQX781926T-43) configurations

### Product Classification

**Product Type** Quadplexer

### General Specifications

**Color** Gray

**Common Port Label** Common

**Modularity** 1-Single

**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** 140 mm | 5.512 in

**Width** 248 mm | 9.764 in

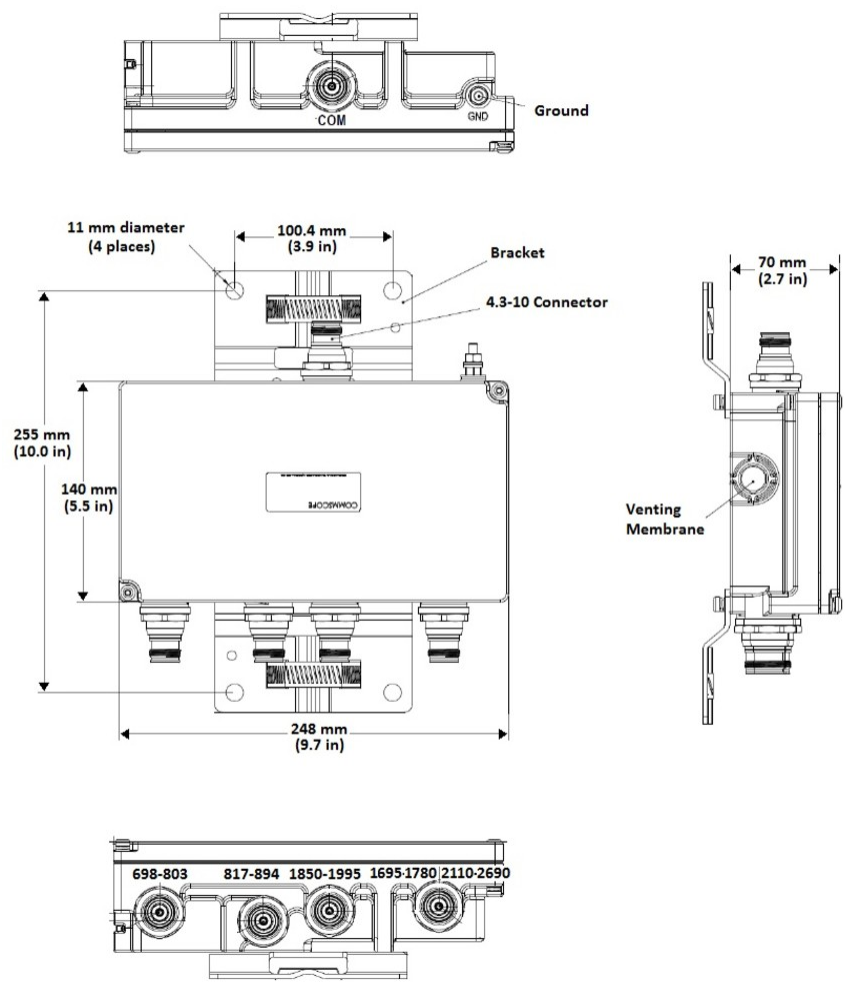
**Depth** 70 mm | 2.756 in

**Ground Screw Diameter** 6 mm | 0.236 in

**Mounting Pipe Diameter Range** 42.6–122 mm

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## Outline Drawing



## Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700   CEL 850   LMR 750   PCS 1900   TDD 2600   USA 700   USA 750   WCS 2300

## Electrical Specifications, dc Power/Alarm

Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

## Electrical Specifications

Sub-module	1	1	1	1
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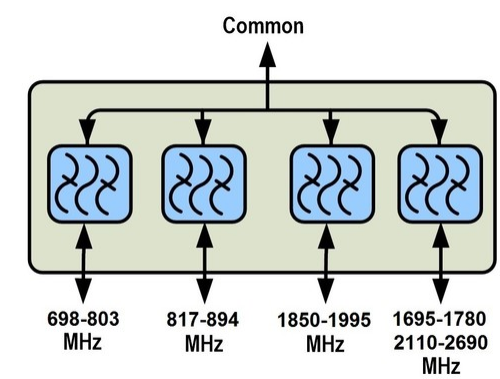
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Branch	1	2	3	4
Port Designation	698–803	817–894	1850–1995	AWS-WCS-BRS
License Band	USA 700, Band Pass	CEL 850, Band Pass	PCS 1900, Band Pass	AWS 1700, Band Pass WCS 2300, Band Pass TDD 2600, Band Pass

## Electrical Specifications, Band Pass

Frequency Range, MHz	698–803	817–894	1850–1995	1695–1780 2110–2200 2300–2690
Insertion Loss, typical, dB	0.3	0.3	0.2	0.2
Total Group Delay, maximum, ns	40	55	25	25
Return Loss, minimum, dB	20	20	20	20
Return Loss, typical, dB	23	23	23	22
Isolation, typical, dB	40	40	40	40
Input Power, RMS, maximum, W	100	100	100	100
Input Power, PEP, maximum, W	1000	1000	1000	1000
3rd Order PIM, maximum, dBc	-161	-161	-161	-161
3rd Order PIM Test Method	2 x 20 W CW tones	2 x 20 W CW tones	2 x 20 W CW tones	2 x 20 W CW tones

## Block Diagram



## Environmental Specifications

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Corrosion Test Method	IEC 60068-2-11, 30 days
Ingress Protection Test Method	IEC 60529:2001, IP67

## Packaging and Weights

Included	Mounting hardware
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Mounting Hardware Weight	0.5 kg   1.102 lb
Weight, without mounting hardware	3.1 kg   6.834 lb