

# CBC173558Q-43 | E14F60P02

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## Quad Triplexer 1695-2690/3400-3800/5150-5925 MHz

- New Combining Solution for 3.5 and 5.8 GHz unlicensed Bands
- New 4.3-10 connectors for improved PIM performance and size reduction
- Quad configuration, 4x4 MIMO ready
- dc/AISG pass-through on low frequency ports

## Product Classification

**Product Type** Triplexer

## General Specifications

**Color** Gray

**Modularity** 4-Quad

**Mounting Pipe Hardware** Band clamps (2)

**RF Connector Interface** 4.3-10 Female

**RF Connector Interface Body Style** Long neck

## Dimensions

**Height** 225 mm | 8.858 in

**Width** 145 mm | 5.709 in

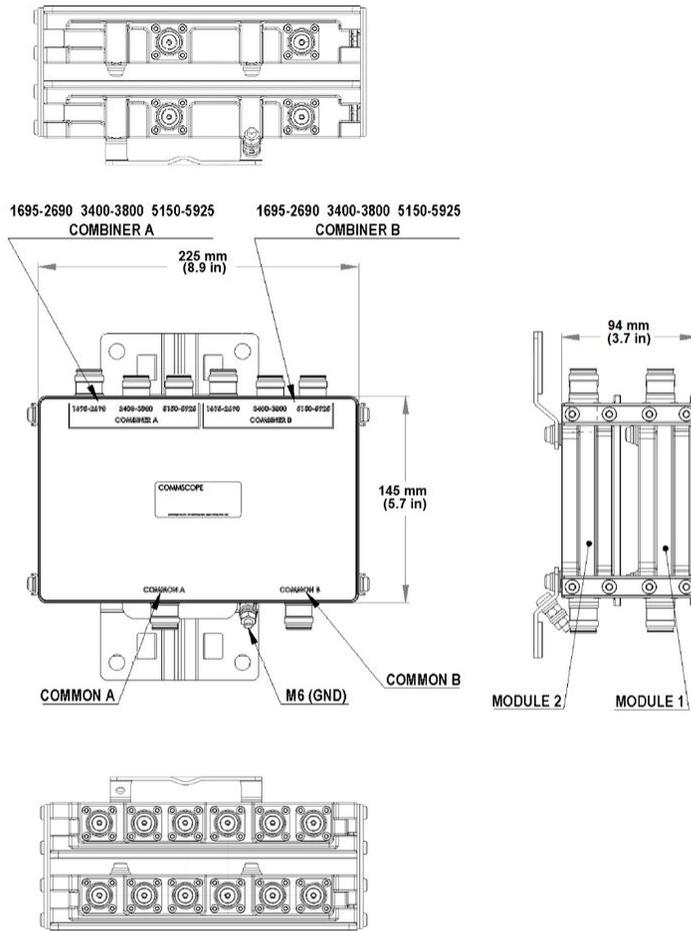
**Depth** 94 mm | 3.701 in

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

**Mounting Pipe Diameter Range** 40–160 mm

## Outline Drawing

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## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>License Band, Band Pass</b>	AWS 2000   DCS 1800   IMT 2100   IMT 2600   LAA 5000   PCS 1900   TDD 1900   TDD 2000   TDD 2300   TDD 2600   TDD 3500   TDD 5000   WCS 2300

## Electrical Specifications, Common Port

<b>Composite Power, RMS</b>	150 W
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## Electrical Specifications, dc Power/Alarm

<b>dc/AISG Pass-through Method</b>	Factory set
<b>dc/AISG Pass-through Path</b>	Branch 1
<b>Lightning Surge Current</b>	5 kA

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## Lightning Surge Current Waveform

8/20 waveform

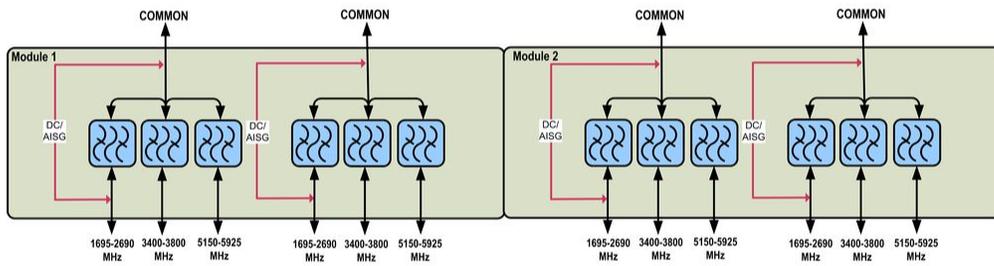
## Electrical Specifications

Sub-module	1   2   3   4	1   2   3   4	1   2   3   4
Branch	1	2	3
Port Designation	1695-2690MHz	3400-3800MHz	5150-5925MHz
License Band	[2, 3, 6, 8, 9, 13, 17, 19, 20, 21]	TDD 3500, Band Pass	[22, 23]

## Electrical Specifications, Band Pass

Frequency Range, MHz	1695–2690	3400–3800	5150–5925
Insertion Loss, typical, dB	0.2	0.2	0.2
Total Group Delay, maximum, ns	2	4	4
Return Loss, typical, dB	20	20	20
Isolation, typical, dB	40	40	40
Input Power, RMS, maximum, W	100	10	10
Input Power, PEP, maximum, W	1000	100	100
3rd Order PIM, typical, dBc	-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

## Block Diagram



## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +65 °C (-40 °F to +149 °F)
<b>Relative Humidity</b>	5%–100%
<b>Corrosion Test Method</b>	IEC 60068-2-11, 30 days
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP67

## Packaging and Weights

<b>Included</b>	Mounting hardware
<b>Mounting Hardware Weight</b>	0.6 kg   1.323 lb
<b>Volume</b>	3.2 L
<b>Weight, without mounting hardware</b>	5.4 kg   11.905 lb

Regulatory Compliance/Certifications

**Agency**

ISO 9001:2015



**Classification**

Designed, manufactured and/or distributed under this quality management system