CBC173558T-43 | E14F60P01

Twin 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
- dc/AISG pass-through on low frequency ports

Product Classification

Product Type	Triplexer

General Specifications

Color	Gray
Modularity	2-Twin
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	41 mm | 1.614 in
Ground Screw Diameter	6 mm | 0.236 in
Mounting Pipe Diameter Range	40–160 mm

Outline Drawing

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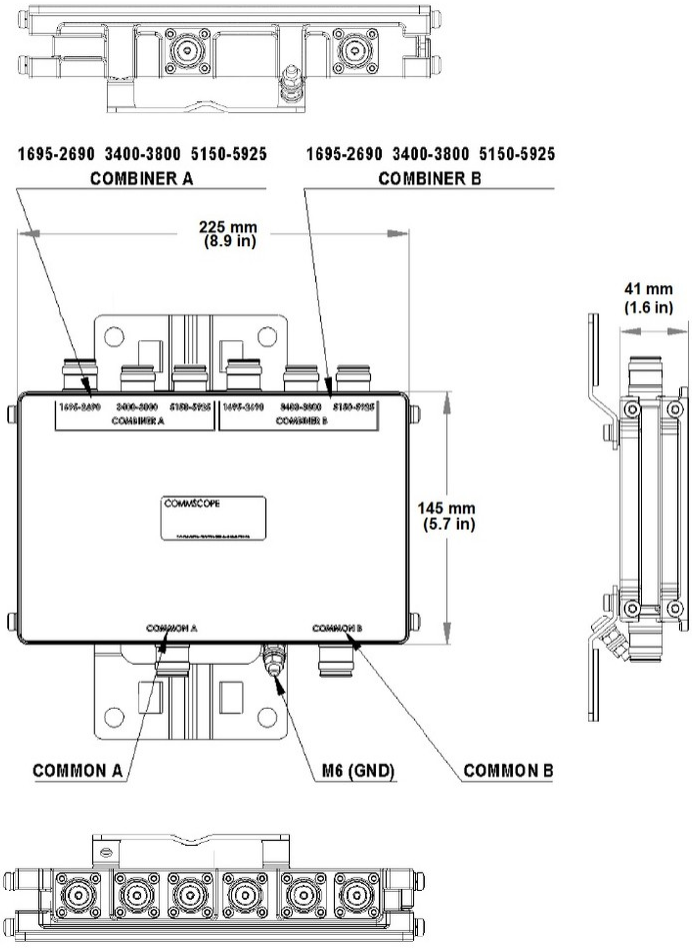


Electrical Specifications

Impedance	50 ohm
License Band, Band Pass	AWS 1700 | AWS 2000 | DCS 1800 | IMT 2100 | IMT 2600 | PCS 1900 | TDD 1900 | TDD 2000 | TDD 2300 | TDD 2600 | WCS 2300

Electrical Specifications, Common Port

Composite Power, RMS	150 W

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through Method	Factory set
dc/AISG Pass-through Path	Branch 1
Lightning Surge Current	5 kA
Lightning Surge Current Waveform	8/20 waveform

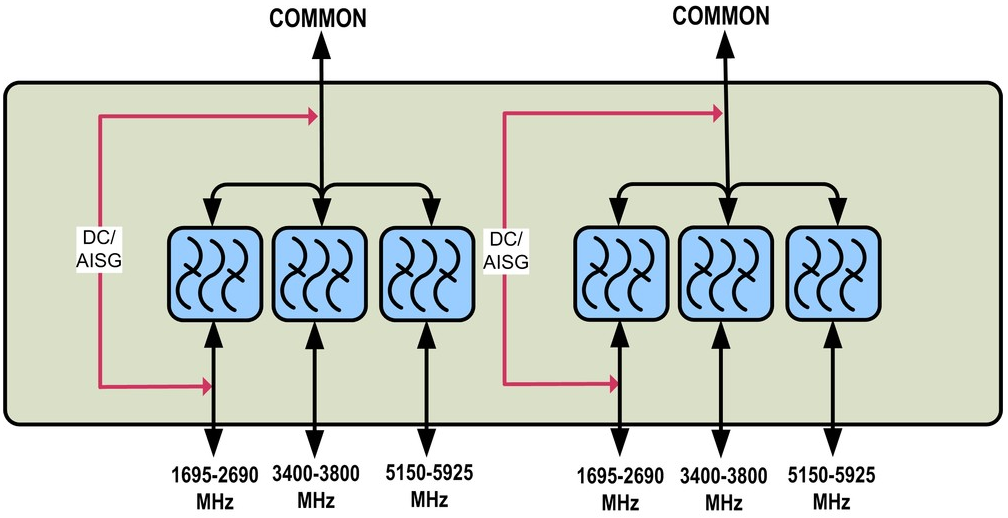
Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**	**1 | 2**
Branch	1	2	3
Port Designation	1695-2690MHz	3400-3800MHz	5150-5925MHz
License Band	AWS 1700, Band Pass AWS 2000, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass IMT 2600, Band Pass PCS 1900, Band Pass WCS 2300, Band Pass TDD 1900, Band Pass TDD 2000, Band Pass TDD 2300, Band Pass TDD 2600, Band Pass	TDD 3500, Band Pass	LAA 5000, Band Pass TDD 5000, Band Pass

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

Operating Temperature	-40 °C to +65 °C (-40 °F to +149 °F)
Relative Humidity	5%–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	0.6 kg | 1.323 lb
Volume	1.3 L
Weight, without mounting hardware	2.6 kg | 5.732 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system