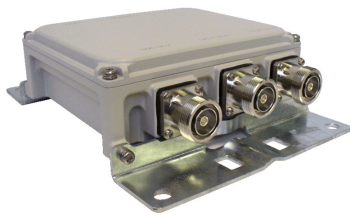


CBC71726-DM | E11F01P95



Triplexer 698-960/1710-2170/2300-2600, dc bypass on port 2

OBSOLETE

This product was discontinued on: December 31, 2023

Replaced By:

E12F01P93

Triplexer 700-900/1700-2100/2300-2700, dc bypass on all ports

Product Classification

Product Type Triplexer

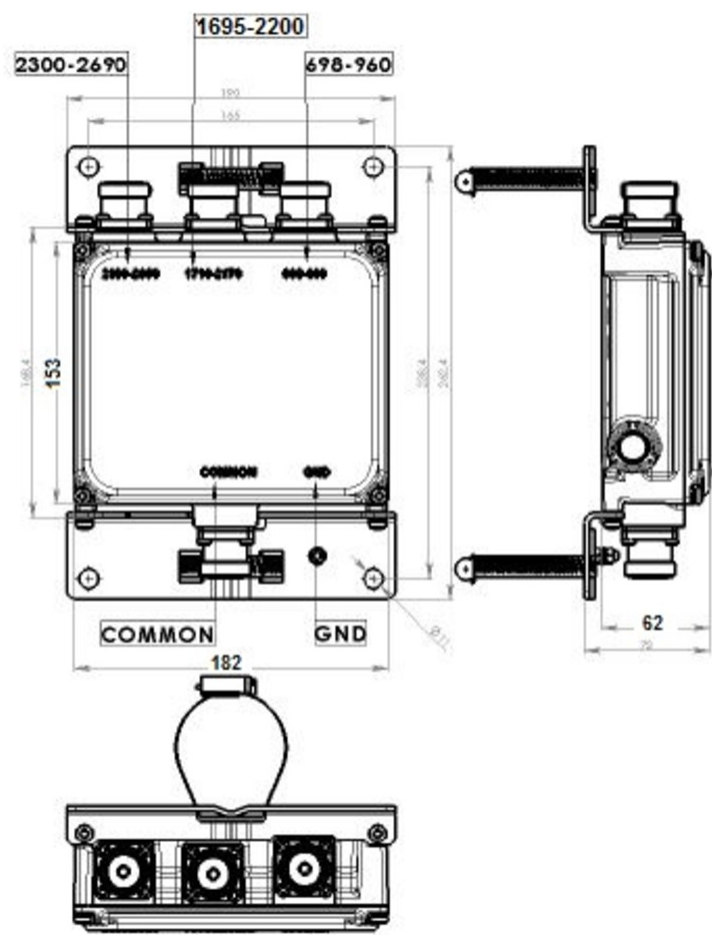
General Specifications

| | |
|--|-----------------|
| Product Family | CBC71726 |
| Color | Gray |
| Common Port Label | COMM |
| Modularity | 1-Single |
| Mounting | Pole Wall |
| Mounting Pipe Hardware | Band clamps (2) |
| RF Connector Interface | 7-16 DIN Female |
| RF Connector Interface Body Style | Medium neck |

Dimensions

| | |
|-------------------------------------|-------------------|
| Height | 153 mm 6.024 in |
| Width | 62 mm 2.441 in |
| Depth | 182 mm 7.165 in |
| Mounting Pipe Diameter Range | 42.6–122 mm |

Outline Drawing



Electrical Specifications

| | |
|-------------------------|---|
| Impedance | 50 ohm |
| License Band, Band Pass | APT 700 AWS 1700 CEL 850 CEL 900 DCS 1800 EDD 800 IMT 2100 IMT 2600 LMR 750 LMR 800 LMR 900 PCS 1900 USA 700 USA 750 WCS 2300 |

Electrical Specifications, dc Power/Alarm

| | |
|-------------------------------------|---------------|
| dc/AISG Pass-through, combiner | Branch 2 |
| dc/AISG Pass-through, demultiplexer | Branch 2 |
| Lightning Surge Current | 5 kA |
| Lightning Surge Current Waveform | 8/20 waveform |

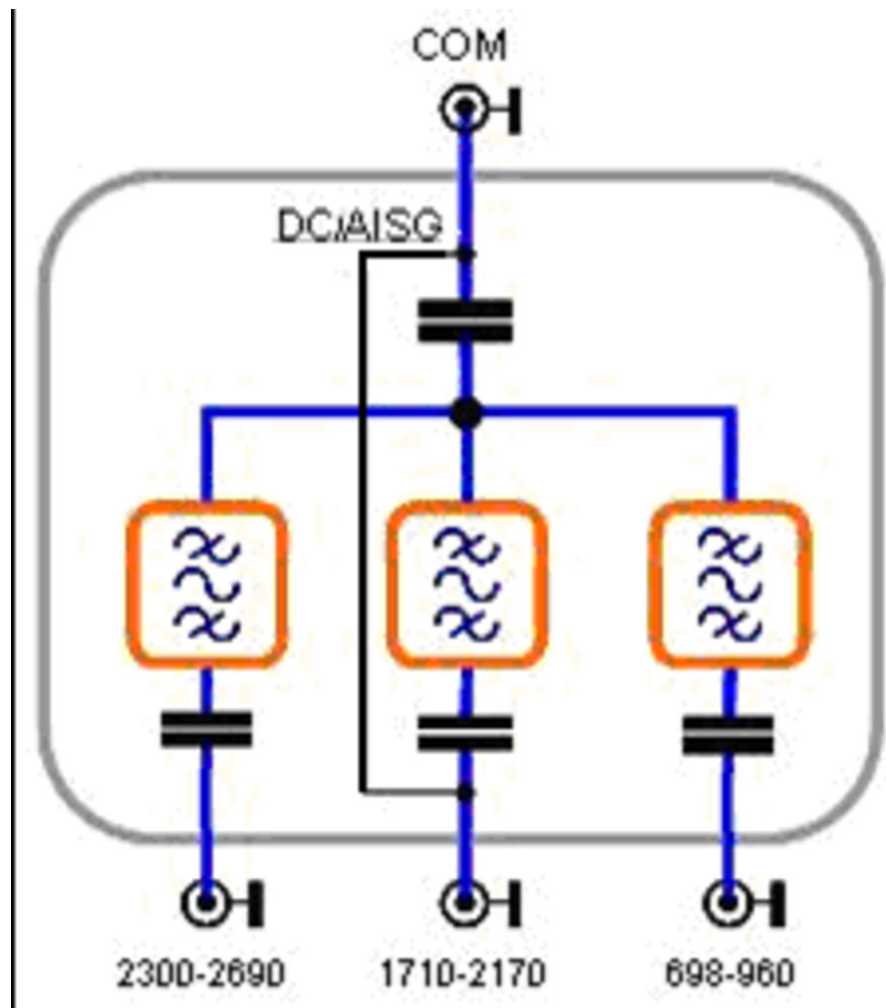
Electrical Specifications

| | | | |
|------------------|--|--|--|
| Sub-module | 1 | 1 | 1 |
| Branch | 1 | 2 | 3 |
| Port Designation | 698-960 | 1710-2170 | 2300-2690 |
| License Band | APT 700, Band Pass CEL 850, Band Pass CEL 900, Band Pass EDD 800, Band Pass LMR 750, Band Pass LMR 800, Band Pass LMR 900, Band Pass USA 700, Band Pass USA 750, Band Pass | AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass PCS 1900, Band Pass | IMT 2600, Band Pass WCS 2300, Band Pass |

Electrical Specifications, Band Pass

| | | | |
|-----------------------------|-------------------|-------------------|-------------------|
| Frequency Range, MHz | 698–960 | 1710–2170 | 2300–2690 |
| Insertion Loss, typical, dB | 0.15 | 0.2 | 0.25 |
| Return Loss, minimum, dB | 18 | 18 | 18 |
| Return Loss, typical, dB | 20 | 20 | 20 |
| Isolation, minimum, dB | 50 | 50 | 50 |
| 3rd Order PIM, typical, dBc | -155 | -155 | -155 |
| 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 +60 °C (-40 °F to +140 °F) |
| Relative Humidity | Up to 100% |
| Ingress Protection Test Method | IEC 60529:2001, IP67 |

Packaging and Weights

| | |
|-------------|-------------------|
| Included | Mounting hardware |
| Volume | 1.9 L |
| Weight, net | 3.2 kg 7.055 lb |

Regulatory Compliance/Certifications

| | |
|--------|----------------|
| Agency | Classification |
|--------|----------------|

ISO 9001:2015

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

