

E14F10P07



Single Triplexer 700-800//900//1800-2600 MHz, DC Bypass on all ports, with 4.3-10 connectors

- New 4.3-10 connectors for improved PIM performance and size reduction
- Designed for network modernization application, introduction of LTE700 and LTE800 on existing site
- dc/AISG pass-through on all frequency ports
- Industry leading PIM performance

Product Classification

Product Type Triplexer

General Specifications

Product Family CBC7926

Color Gray

Common Port Label COM

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 257 mm | 10.118 in

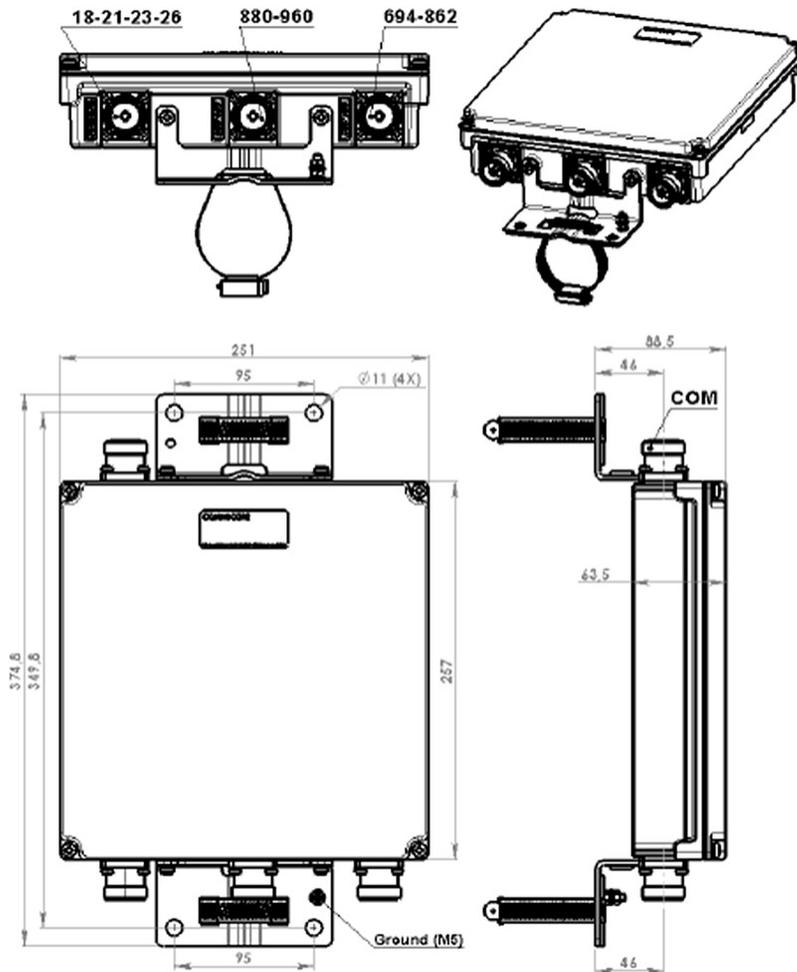
Width 251 mm | 9.882 in

Depth 63.5 mm | 2.5 in

Mounting Pipe Diameter Range 42.6–122 mm

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Outline Drawing



Electrical Specifications

Impedance

50 ohm

License Band, Band Pass

APT 700 | AWS 1700 | CEL 900 | DCS 1800 | EDD 800 | IMT 2100 | IMT 2600 | LMR 750 | PCS 1900 | TDD 2300 | USA 700 | USA 750

Electrical Specifications, dc Power/Alarm

dc/AISG Pass-through, combiner

Branch 1 | Branch 2 | Branch 3

dc/AISG Pass-through, demultiplexer

Branch 1 | Branch 2 | Branch 3

Lightning Surge Current

5 kA

Lightning Surge Current Waveform

8/20 waveform

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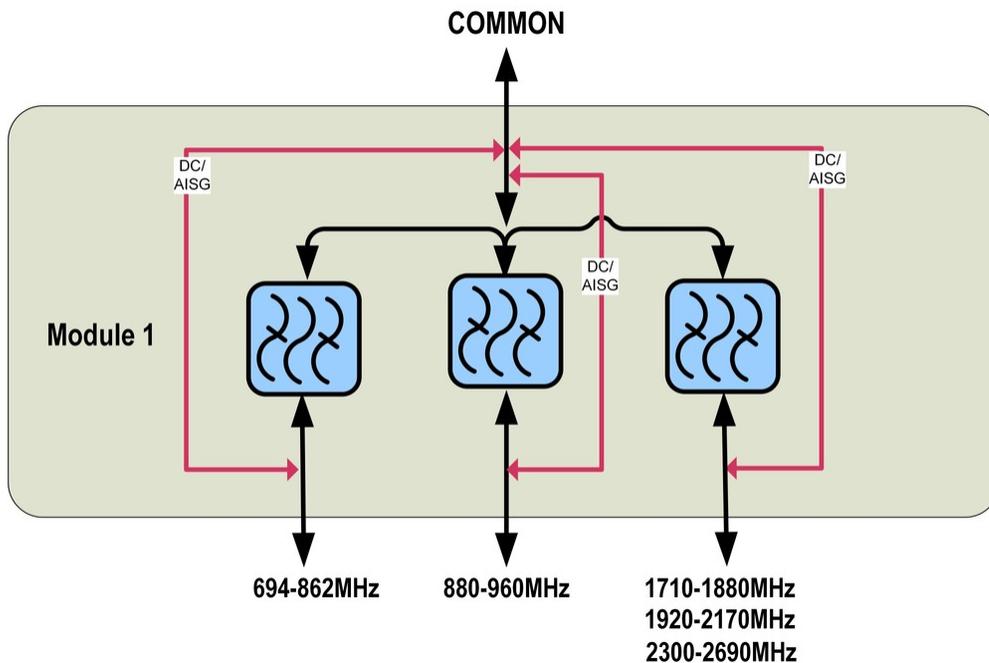
Electrical Specifications

| | | | |
|-------------------------|--|--------------------|---|
| Sub-module | 1 2 | 1 2 | 1 2 |
| Branch | 1 | 2 | 3 |
| Port Designation | DD2-800 | 900 | 18-21-23-26 |
| License Band | APT 700, Band Pass EDD 800, Band Pass LMR 750, Band Pass USA 700, Band Pass USA 750, Band Pass | CEL 900, Band Pass | AWS 1700, Band Pass DCS 1800, Band Pass IMT 2100, Band Pass IMT 2600, Band Pass PCS 1900, Band Pass |

Electrical Specifications, Band Pass

| | | | |
|-------------------------------------|----------------------|----------------------|----------------------|
| Frequency Range, MHz | 694–862 | 880–960 | 1710–2690 |
| Insertion Loss, typical, dB | 0.35 | 0.3 | 0.35 |
| Return Loss, typical, dB | 22 | 22 | 22 |
| Isolation, minimum, dB | 50 | 50 | 50 |
| Input Power, RMS, maximum, W | 300 | 300 | 300 |
| Input Power, PEP, maximum, W | 3000 | 3000 | 3000 |
| 3rd Order PIM, typical, dBc | -160 | -160 | -160 |
| 3rd Order PIM Test Method | Two +43 dBm carriers | Two +43 dBm carriers | Two +43 dBm carriers |

Block Diagram



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Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -40 °C to +60 °C (-40 °F to +140 °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 |
| Volume | 4.1 L |
| Weight, net | 4.6 kg 10.141 lb |

Regulatory Compliance/Certifications

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