

E14F10P29



Twin Triplexer 1350-1525//18//21-23-26 MHz, dc smart bypass, with 4.3-10 connectors

- Designed for network modernization application, introduction of LTE1400 on existing site
- New 4.3-10 connectors for improved PIM performance and size reduction
- DC/AISG SMART bypass functionality
- Twin configuration

Product Classification

Product Type Triplexer

General Specifications

Color Gray

Common Port Label COM

Modularity 2-Twin

Mounting Pole | Wall

Mounting Pipe Hardware Band clamps (2)

RF Connector Interface 4.3-10 Female

RF Connector Interface Body Style Long neck

Dimensions

Height 193 mm | 7.598 in

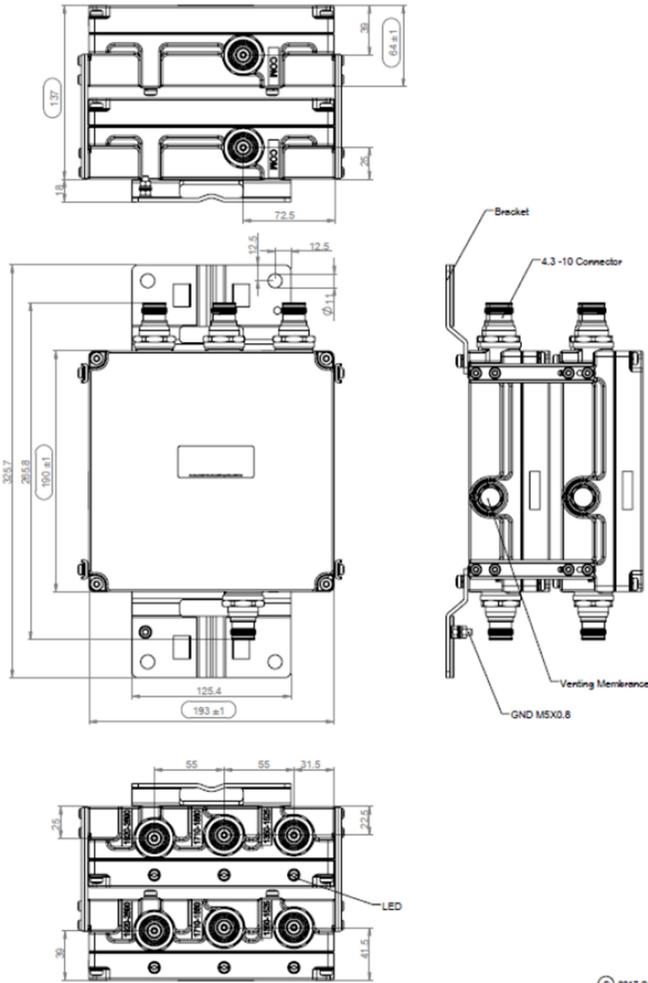
Width 190 mm | 7.48 in

Depth 137 mm | 5.394 in

Mounting Pipe Diameter Range 42.6–122 mm

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Outline Drawing



Electrical Specifications

| | |
|--------------------------------|--|
| Impedance | 50 ohm |
| License Band, Band Pass | CEL 900 DCS 1800 EDD 800 IMT 2100 PDC 1500 SDL 1400 TDD 2300 TDD 2600 WCS 2300 |
| License Band, LNA | DCS 1800 IMT 2100 PDC 1500 WCS 2300 |

Electrical Specifications, dc Power/Alarm

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

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Electrical Specifications

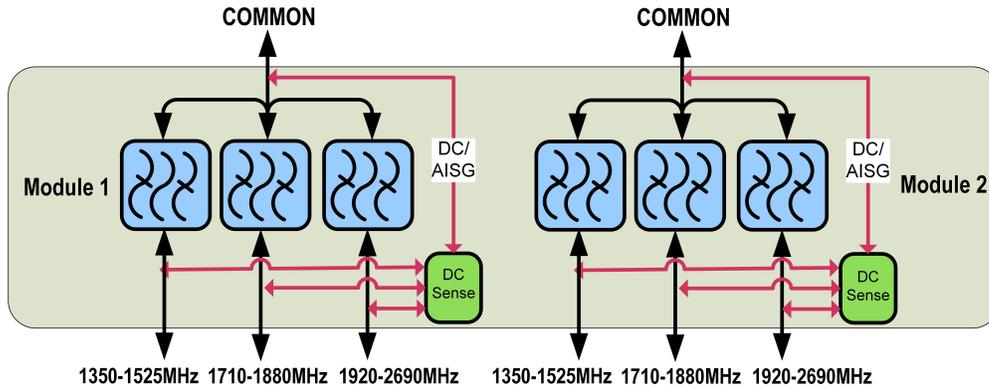
| | | | |
|-------------------------|--|---------------|--|
| Sub-module | 1 2 | 1 2 | 1 2 |
| Branch | 1 | 2 | 3 |
| Port Designation | 1350-1525 | 1710-1880 | 1920-2690 |
| License Band | SDL 1400, Band Pass PDC 1500, Band Pass | DCS 1800, LNA | TDD 2600, Band Pass TDD 2300, Band Pass WCS 2300, Band Pass IMT 2100, LNA |

Electrical Specifications, Band Pass

| | 1350–1525 | 1710–1880 | 1920–2690 |
|-------------------------------------|----------------------|----------------------|----------------------|
| Frequency Range, MHz | | | |
| Insertion Loss, typical, dB | 0.15 | 0.25 | 0.15 |
| Return Loss, typical, dB | 20 | 20 | 20 |
| Isolation, minimum, dB | 50 | 50 | 50 |
| Input Power, RMS, maximum, W | 300 | 300 | 300 |
| Input Power, PEP, maximum, W | 1500 | 1500 | 1500 |
| 3rd Order PIM, typical, dBc | -163 | -163 | -163 |
| 3rd Order PIM Test Method | Two +43 dBm carriers | Two +43 dBm carriers | Two +43 dBm carriers |

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Block Diagram



Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -40 °C to +65 °C (-40 °F to +149 °F) |
| Relative Humidity | Up to 100% |
| Corrosion Test Method | IEC 60068-2-11, 30 days |
| Ingress Protection Test Method | IEC 60529:2001, IP68 |

Packaging and Weights

| | |
|--------------------|--------------------|
| Included | Mounting hardware |
| Volume | 5 L |
| Weight, net | 7.3 kg 16.094 lb |

Regulatory Compliance/Certifications

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

