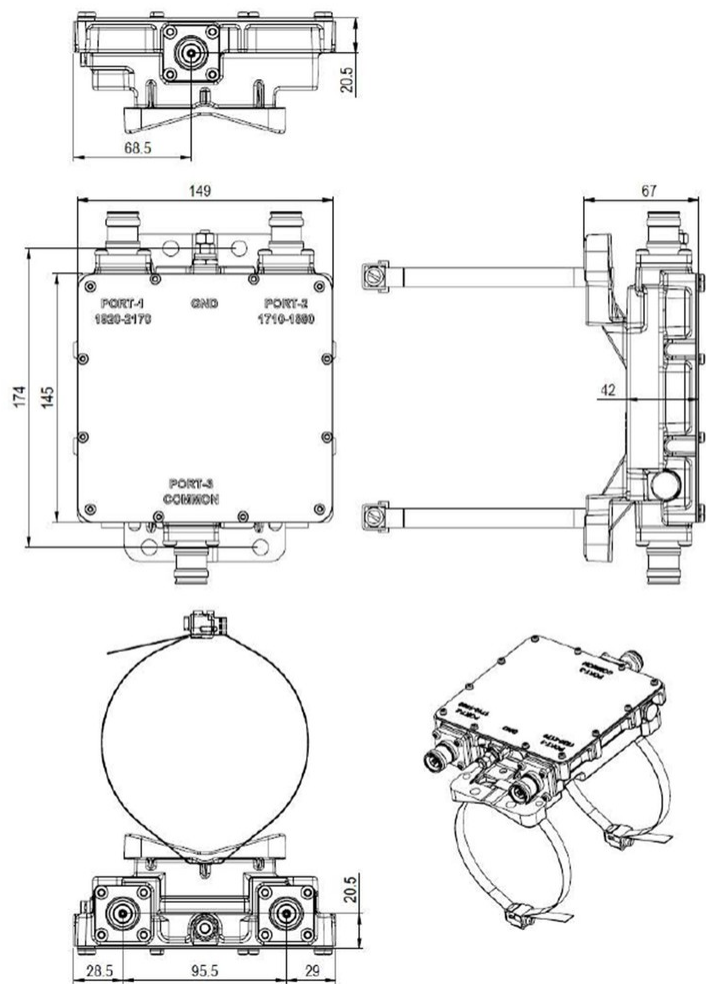

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Mounting Pipe Diameter Range

40–160 mm

Outline Drawing



Electrical Specifications

| | |
|--|----------------------------------|
| Insertion Loss Ripple, maximum | 0.2 dB |
| Electrical Safety Standard | EN 60950 |
| Electromagnetic Compatibility/Interference (EMC/EMI) | EN 55022 ETSI 301 489-1 V1.8.1 |
| Impedance | 50 ohm |
| License Band, Band Pass | DCS 1800 IMT 2100 |

Electrical Specifications, dc Power/Alarm

| | |
|-----------------------------|-------------|
| dc/AISG Pass-through Method | Factory set |
|-----------------------------|-------------|

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| | |
|-------------------------------------|---------------------|
| dc/AISG Pass-through Path | Branch 1 Branch 2 |
| dc/AISG Pass-through, combiner | Branch 1 Branch 2 |
| dc/AISG Pass-through, demultiplexer | Branch 1 Branch 2 |
| Lightning Surge Current | 3 kA |
| Lightning Surge Current Waveform | 8/20 waveform |

Electrical Specifications, AISG

| | |
|------------------------------------|-----|
| AISG Pass-through Current, maximum | 2 A |
|------------------------------------|-----|

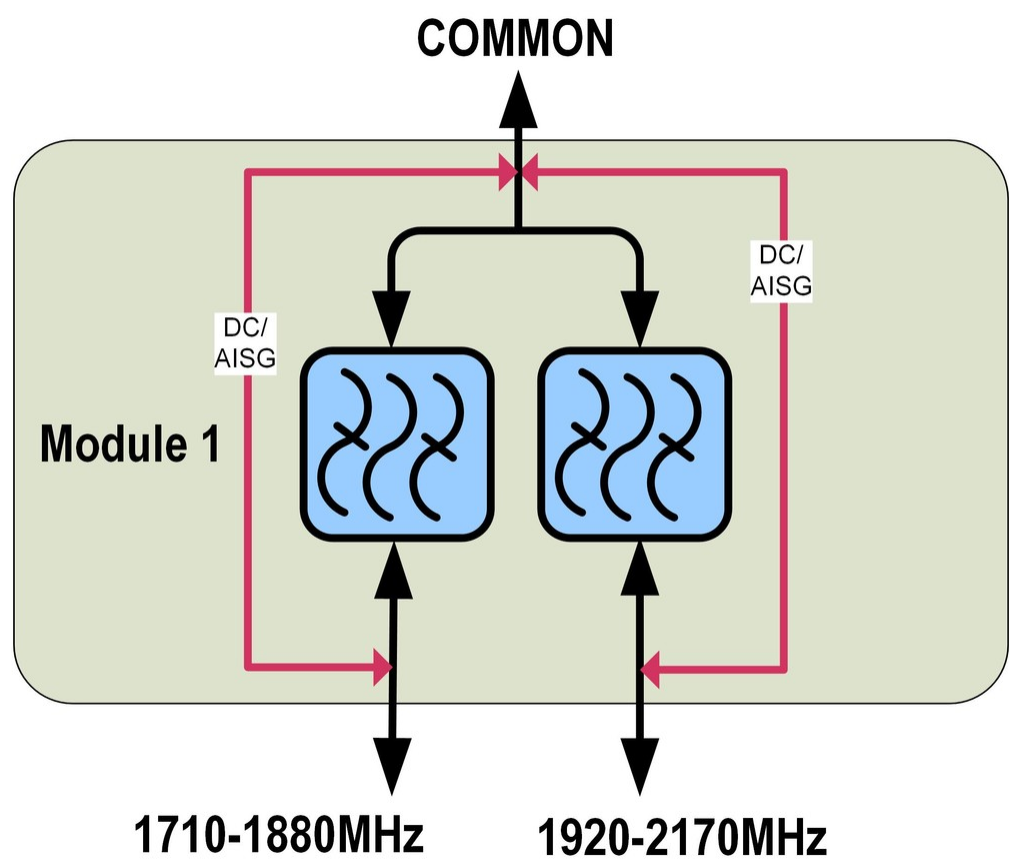
Electrical Specifications

| | | |
|------------------|---|------------------|
| Sub-module | 1 | 1 |
| Branch | 1 | 2 |
| Port Designation | PORT 1 1710-1880 | PORT 2 1920-2170 |
| License Band | DCS 1800, Band Pass IMT 2100, Band Pass | |

Electrical Specifications, Band Pass

| | | |
|------------------------------|----------------------|----------------------|
| Frequency Range, MHz | 1710–1880 | 1920–2170 |
| Insertion Loss, maximum, dB | 0.4 | 0.4 |
| Insertion Loss, typical, dB | 0.15 | 0.15 |
| Return Loss, minimum, dB | 18 | 18 |
| Return Loss, typical, dB | 20 | 20 |
| Isolation, minimum, dB | 50 | 50 |
| Isolation, typical, dB | 54 | 54 |
| Input Power, RMS, maximum, W | 250 | 250 |
| Input Power, PEP, maximum, W | 2500 | 2500 |
| 3rd Order PIM, typical, dBc | -160 | |
| 3rd Order PIM Test Method | Two +43 dBm carriers | |
| 7th Order PIM, typical, dBc | | -160 |
| 7th Order PIM Test Method | | Two +43 dBm carriers |

Block Diagram



Material Specifications

Finish Painted

Mechanical Specifications

Mechanical Shock Test Method IEC 60068-2-27

Wind Speed, maximum 200 km/h (124 mph)

Environmental Specifications

Operating Temperature -40 °C to +60 °C (-40 °F to +140 °F)

Corrosion Test Method IEC 60068-2-11, 30 days

Environmental Test Method ETSI EN 300 019-1-4

Ingress Protection Test Method IEC 60529:2001, IP67

Mean Time Between Failures, minimum 1000000 h

Thermal Shock Test Method IEC 60068-2-14

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| | |
|----------------------------------|---------------|
| UV Resistance Test Method | IEC 60068-2-5 |
| Vibration Test Method | IEC 60068-2-6 |

Packaging and Weights

| | |
|--|-------------------|
| Included | Mounting hardware |
| Volume | 0.9 L |
| Weight, net | 2 kg 4.409 lb |
| Weight, without mounting hardware | 1.9 kg 4.189 lb |

Regulatory Compliance/Certifications

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