General Specifications

Product Type: 1-BTS:1-ANT (Uniplex)
Modularity: 1+1-Pair
Includes: Mounting hardware

Electrical Specifications

Sub-module
Branch
Port Designation
AISG 2.0 Device Subunit
License Band

Electrical Specifications Rx (Uplink)

Frequency Range
Bandwidth
Gain, nominal
Gain Tolerance
Noise Figure, maximum
Noise Figure, typical
Group Delay Variation, maximum
Group Delay Variation Bandwidth
Total Group Delay, maximum
Output IP3, minimum
Return Loss, minimum
Insertion Loss - Bypass Mode, typical
Return Loss - Bypass Mode, typical

Electrical Specifications Tx (Downlink)

Frequency Range
Bandwidth
Insertion Loss, maximum
Group Delay Variation, maximum
Group Delay Variation Bandwidth
Total Group Delay, maximum
Return Loss, minimum 18 dB
Input Power, RMS, maximum 200 W
3rd Order PIM, typical -153 dBc
3rd Order PIM Test Method 2 x 20 W CW tones
VSWR Alarm Threshold 9.54 dB
VSWR Alarm Threshold Tolerance ±2 dB

Product Classification
Product Type Tower mounted amplifier

AISG Electrical Specifications
Voltage, AISG Mode 10–30 Vdc
Protocol AISG 2.0
AISG Connector 8-pin DIN Female
AISG Connector Standard IEC 60130-9

dc Power/Alarm Electrical Specifications
Voltage 7–30 Vdc
Voltage, CWA Mode 10–18 Vdc
dc Switching/Redundancy Yes
Operating Current at Voltage 135 mA @ 12 V
Operating Current Tolerance ±20 mA
Alarm Current, CWA Mode 190 mA ±10 mA
Lightning Surge Current 20 kA
Lightning Surge Current Waveform 8/20 waveform
Block Diagram

![Block Diagram Image]

Mechanical Specifications

- **RF Connector Interface**: 7-16 DIN Female
- **RF Connector Interface Body Style**: Long neck
- **Ground Screw Diameter**: 6.00 mm
- **Color**: Gray
- **Finish**: Painted
- **Mount Type**: Pole | Wall
- **Mounting Pipe Diameter**: 40–160 mm
- **Mounting Pipe Hardware**: Band clamps (2)

Dimensions

- **Height**: 238.0 mm | 9.4 in
- **Width**: 186.0 mm | 7.3 in
- **Depth**: 90.0 mm | 3.5 in
Weight
6.3 kg | 13.9 lb

Environmental Specifications

Operating Temperature
-40 °C to +65 °C (-40 °F to +149 °F)

Relative Humidity
Up to 100%

Ingress Protection Test Method
IEC 60529:2001, IP67

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

Outline Drawing

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
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<tbody>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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