E15S02P73

Dual Band Tower Mounted Amplifier, 1800//2600 MHz, 12 dB, 2 BTS & 4 ANT ports, AISG with 1 RET connector (2 device with 2 sub-units); with improved Out of Band Tx rejection

OBSOLETE

This product was discontinued on: December 30, 2024

Replaced By:

E16S02P69	Dual Band Tower Mounted Amplifier, 1800//2600 MHz, 12 dB, 2 BTS & 4 ANT ports, with 4.3-10 connectors, AISG with 1 RET connector (2 devices with 2 sub-units each)

Product Classification

Product Type	1-BTS:2-ANT (Diplex) | Tower mounted amplifier

General Specifications

Color	Gray
Modularity	2-Twin
Mounting	Pole | Wall
Mounting Pipe Hardware	Band clamps (2)
RF Connector Interface	7-16 DIN Female

Dimensions

Height	257 mm | 10.118 in
Width	334 mm | 13.15 in
Depth	105 mm | 4.134 in
Mounting Pipe Diameter Range	50–120 mm

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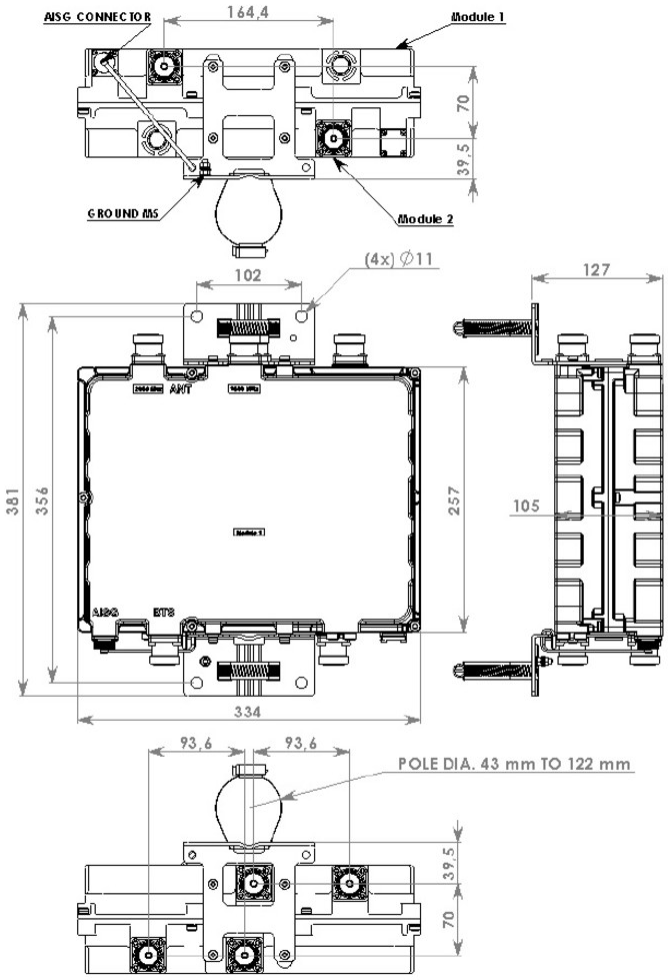
Outline Drawing



Electrical Specifications

License Band, LNA	DCS 1800 | IMT 2600

Electrical Specifications, dc Power/Alarm

dc Switching/Redundancy	Yes
Lightning Surge Current	10 kA
Lightning Surge Current Waveform	8/20 waveform
Voltage	7–30 Vdc
Alarm Current, CWA Mode	190 mA ±10 mA

Electrical Specifications, AISG

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

Electrical Specifications

Sub-module	**1 | 2**	**1 | 2**
Branch	1	2
Port Designation	ANT 1800	ANT 2600
License Band	DCS 1800, LNA	IMT 2600, LNA
Return Loss - Bypass Mode, typical, dB	14	14

Electrical Specifications Rx (Uplink)

Frequency Range, MHz	**1710–1785**	**2500–2570**
Bandwidth, MHz	75	70
Gain, nominal, dB	12	12
Noise Figure, typical, dB	1.5	1.6
Return Loss, minimum, dB	18	18
Insertion Loss - Bypass Mode, typical, dB	3	3

Electrical Specifications Tx (Downlink)

Frequency Range, MHz	**1805–1880**	**2620–2690**
Bandwidth, MHz	75	70
Insertion Loss, typical, dB	0.5	0.5
Return Loss, minimum, dB	18	18
Input Power, RMS, maximum, W	200	200
Input Power, PEP, maximum, W	2000	2000
3rd Order PIM, maximum, dBc	-153	-153
3rd Order PIM Test Method	Two +43 dBm carriers	Two +43 dBm carriers

Block Diagram

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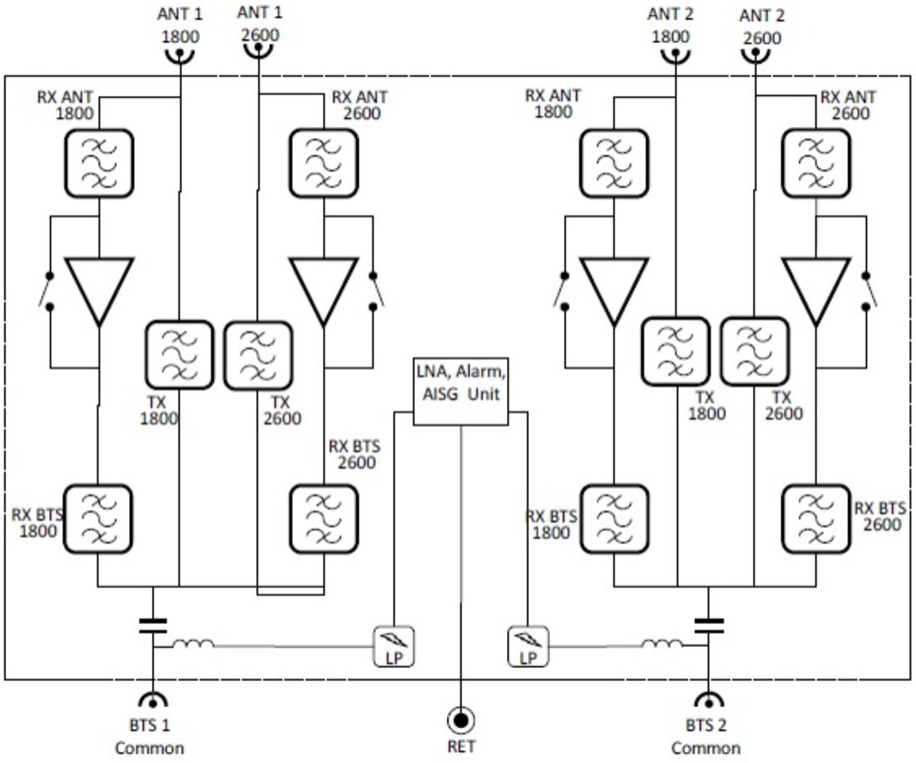

Mechanical Specifications

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

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, IP67

Packaging and Weights

Included	Mounting hardware
Volume	9 L
Weight, net	10.5 kg | 23.149 lb

Regulatory Compliance/Certifications

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

* Footnotes

License Band, LNA License Bands that have RxUplink amplification