

# E15S02P73

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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

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

## Electrical Specifications

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

## Electrical Specifications Rx (Uplink)

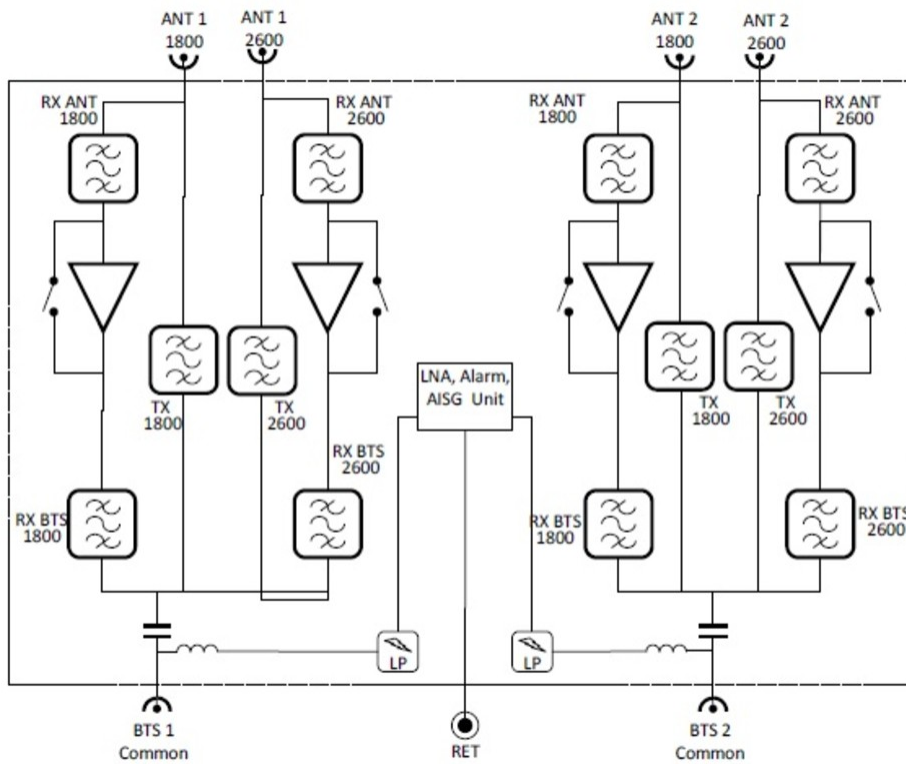
<b>Frequency Range, MHz</b>	<b>1710–1785</b>	<b>2500–2570</b>
<b>Bandwidth, MHz</b>	75	70
<b>Gain, nominal, dB</b>	12	12
<b>Noise Figure, typical, dB</b>	1.5	1.6
<b>Return Loss, minimum, dB</b>	18	18
<b>Insertion Loss - Bypass Mode, typical, dB</b>	3	3

## Electrical Specifications Tx (Downlink)

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

## Block Diagram

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## Mechanical Specifications

**Wind Speed, maximum** 200 km/h | 124.274 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