

# E15V85P05

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Twin Dual Duplexer Shelf, 1900 RXAIT

## OBSOLETE

This product was discontinued on: December 1, 2019

## Product Classification

**Product Type** Duplexer shelf

## General Specifications

**Application** Indoor

**Antenna Interface** 7-16 DIN Female

**BTS Interface** 7-16 DIN Female

**Color** Black | Silver

**Rack Type** EIA 19 in

**Rack Units** 1

**Rx Interface** N Female

**Rx2 Interface** SMA Female

## Dimensions

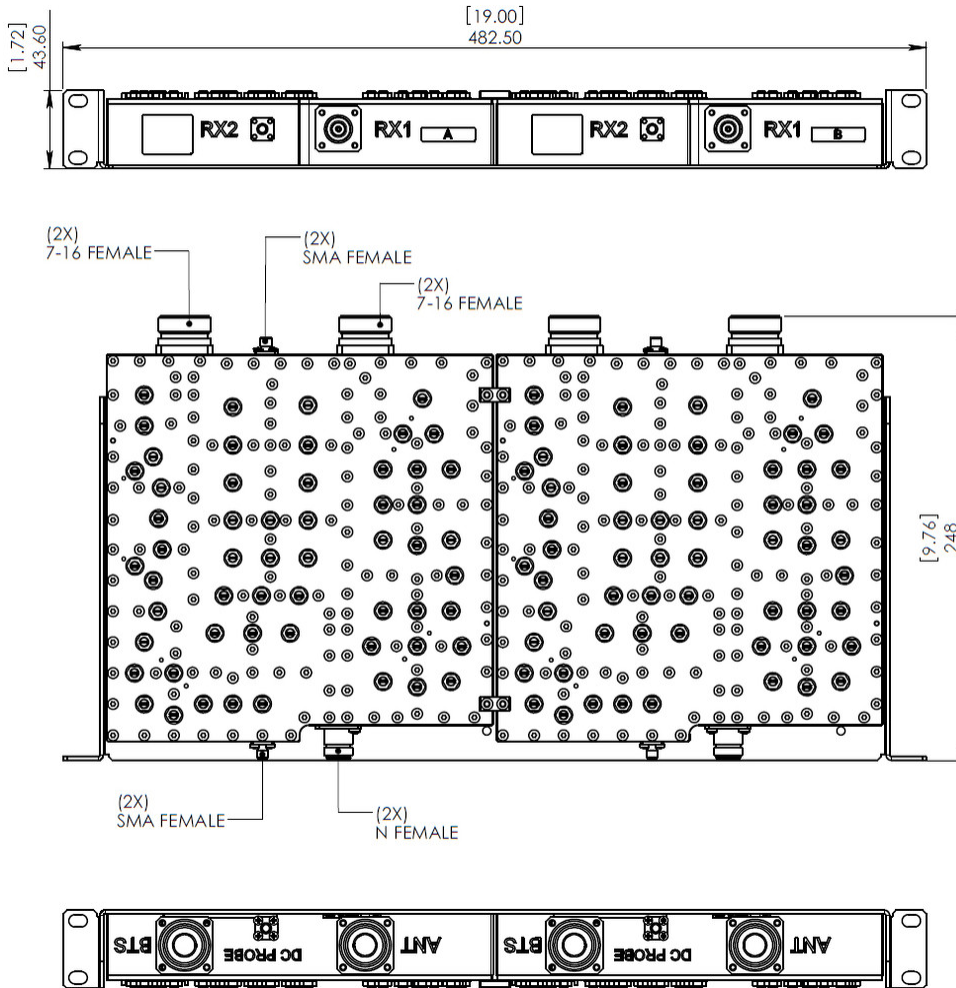
**Height** 43.7 mm | 1.72 in

**Width** 482.6 mm | 19 in

**Depth** 226 mm | 8.898 in

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## Outline Drawing



## Electrical Specifications

<b>3rd Order IMD Test Method</b>	Two +43 dBm carriers
<b>3rd Order IMD, maximum</b>	-150 dBm
<b>dc Interface</b>	SMA Female
<b>dc Pass-through</b>	Rx
<b>License Band</b>	PCS

## Electrical Specifications, Rx (Uplink)

<b>Band Rejection at Operating Frequency</b>	30 dB @ 1805–1830 MHz   60 dB @ 200–1000 MHz   63 dB @ 1785–1805 MHz   70 dB @ 1000–1785 MHz   77 dB @ 1990–2170 MHz
<b>Bandwidth</b>	60 MHz

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<b>Frequency Band</b>	1850 – 1910 MHz
<b>Group Delay Variation at Frequency, maximum</b>	50 ns @ 5.00 MHz
<b>Insertion Loss, maximum</b>	1 dB
<b>Insertion Loss, typical</b>	0.5 dB
<b>Return Loss, minimum</b>	18 dB
<b>Total Group Delay, maximum</b>	100 ns
<b>Tx Band Rejection</b>	90 dB

## Electrical Specifications 2, Rx (Uplink)

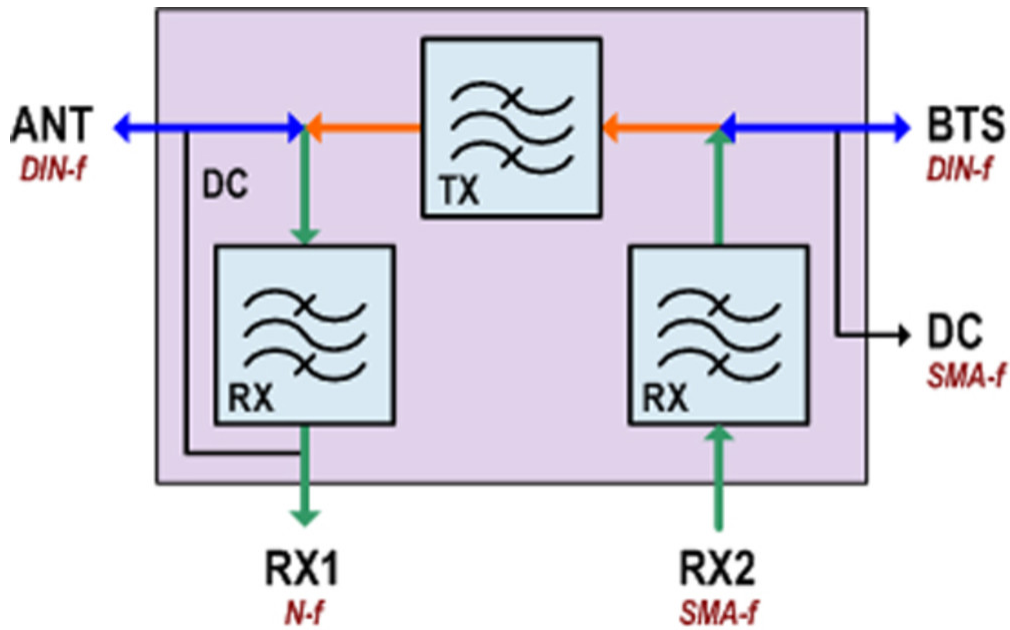
<b>Bandwidth</b>	60 MHz
<b>Frequency Band</b>	1850 – 1910 MHz
<b>Group Delay Variation at Frequency, maximum</b>	50 ns @ 5.00 MHz
<b>Total Group Delay, maximum</b>	100 ns
<b>Tx Band Rejection</b>	80 dB
<b>Insertion Loss, maximum</b>	1 dB
<b>Insertion Loss, typical</b>	0.5 dB
<b>Return Loss, minimum</b>	18 dB

## Electrical Specifications, Tx (Downlink)

<b>Bandwidth</b>	60 MHz
<b>Frequency Band</b>	1930 – 1990 MHz
<b>Group Delay Variation at Frequency, maximum</b>	50 ns @ 5.00 MHz
<b>Input Power, PEP, maximum</b>	3000 W
<b>Input Power, RMS, maximum</b>	300 W
<b>Rx Band Rejection</b>	80 dB
<b>Total Group Delay, maximum</b>	100 ns
<b>Insertion Loss, maximum</b>	1 dB
<b>Insertion Loss, typical</b>	0.4 dB
<b>Return Loss, minimum</b>	18 dB

## Block Diagram

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## Environmental Specifications

### Operating Temperature

0 °C to +50 °C (+32 °F to +122 °F)

### Ingress Protection Test Method

IEC 60529:2001, IP30

## Packaging and Weights

### Weight, without mounting hardware

6.8 kg | 14.991 lb