



Twin Duplexer Shelf, 1900 RXAIT

Product Classification

Product Type Duplexer shelf

Electrical Specifications Rx (Uplink)

Bandwidth	60.00 MHz
Frequency Band	1850 – 1910 MHz
Group Delay Variation, maximum	50 ns @ 5.00 MHz
Insertion Loss, maximum	1.00 dB
Insertion Loss, typical	0.70 dB
Return Loss, minimum	18 dB
Total Group Delay, maximum	100 ns
Tx Band Rejection	80 dB

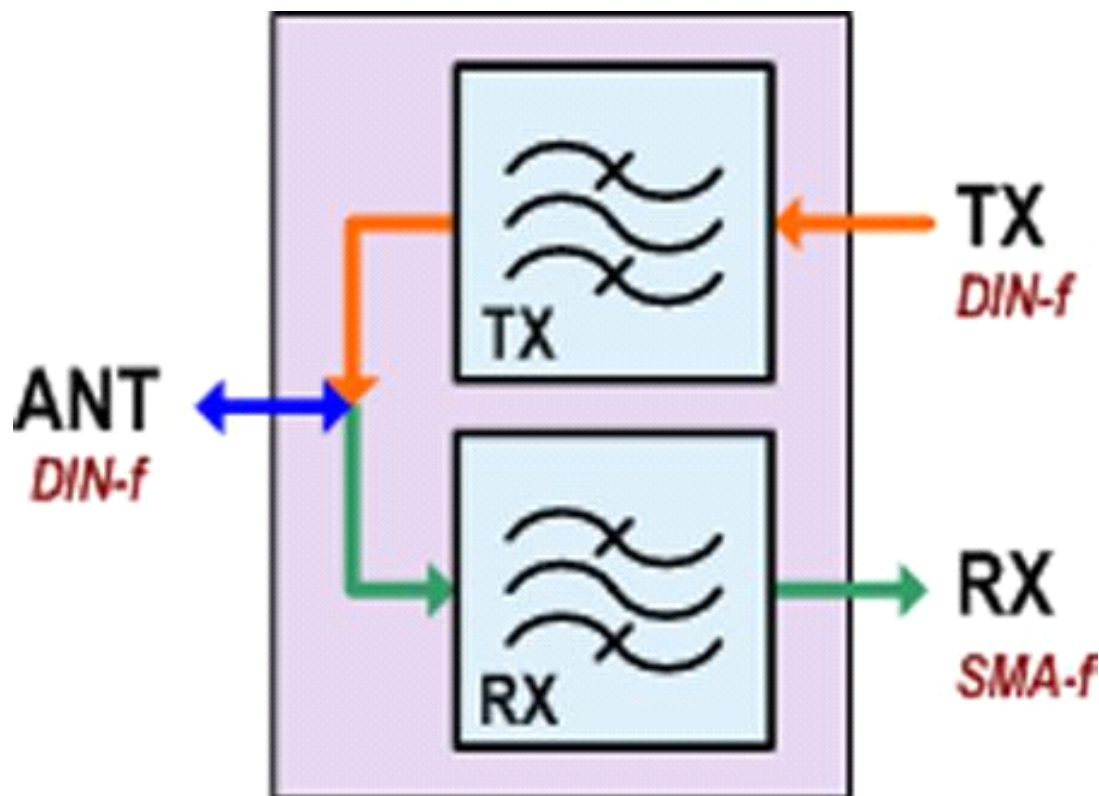
Electrical Specifications Tx (Downlink)

Bandwidth	60.00 MHz
Frequency Band	1930 – 1990 MHz
Group Delay Variation, maximum	50 ns @ 5.00 MHz
Input Power, PEP, maximum	3 kW
Input Power, RMS, maximum	300 W
Insertion Loss, maximum	1.00 dB
Insertion Loss, typical	0.60 dB
Return Loss, minimum	18 dB
Rx Band Rejection	80 dB
Total Group Delay, maximum	100 ns

Electrical Specifications

License Band	PCS
3rd Order IMD Test Method	Two +43 dBm carriers
3rd Order IMD, maximum	-107 dBm

Block Diagram



General Specifications

Application Indoor

Mechanical Specifications

Rx Interface SMA Female
Antenna Interface 7-16 DIN Female
Color Black | Copper
Rack Type EIA 19 in
Rack Units 1
Tx Interface 7-16 DIN Female

Environmental Specifications

Ingress Protection Test Method IEC 60529:2001, IP30
Operating Temperature -25 °C to +65 °C (-13 °F to +149 °F)

E15V85P06

Dimensions

Depth	207.0 mm 8.1 in
Height	43.7 mm 1.7 in
Weight, without mounting hardware	5.9 kg 13.0 lb
Width	482.6 mm 19.0 in

Outline Drawing

