Receive/Transmit Duplexer · 7000–7175 / 7325–7500 MHz

The receive path covers 7000–7175 MHz and the transmit path covers 7325–7500 MHz. Each path provides at least 60 dB of rejection across the other path's passband. The common connector is on the opposite side from RX and TX.

RF Performance

Parameter	Value
Passband RX	7000–7175 MHz
Passband TX	7325–7500 MHz
Passband Insertion Loss	≤ 1 dB
Passband Ripple	≤ 0.6 dB
VSWR	≤ 1.5
Out-of-Band Rejection RX	≥ 60 dB (7325–7500 MHz)
Out-of-Band Rejection TX	≥ 60 dB (7000–7175 MHz)

Design Ratings

Parameter	Value
Power Handling	15 W (Guaranteed by design)
Operating Temperature	–40...+70 °C (Guaranteed by design)

Mechanical Specifications

Parameter	Value
RF Interface	SMA-F
RF Impedance	50 Ω
Connector material	Stainless steel
Surface Finish	Silver plating
Housing material	6061 aluminum
Common Port	Single connector on the opposite side
Branch Connector Markings	RX / TX
Electrical Ground	P4
Housing dimensions	77 × 77 × 13 mm
Projection Above Housing Top	< 4 mm
Branch Connector Center Spacing	53 mm
Mounting holes	4 × M2.5 (Hole-center spacing 72 × 72 mm · Depth 6 mm)

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid. Consult before ordering if the temperature of the complete unit will exceed 125 °C.

Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.