Receive/Transmit Duplexer · 12996–13036 / 13159–13199 MHz

The common IN connector serves RX at 12996–13036 MHz and TX at 13159–13199 MHz. Use the 12.5 mm maximum height to check vertical clearance in the installation.

RF Performance

Parameter	Value
Passband RX	12996–13036 MHz
Passband TX	13159–13199 MHz
Passband Insertion Loss RX	≤ 2.5 dB (12996–13036 MHz)
Passband Insertion Loss TX	≤ 2.5 dB (13159–13199 MHz)
Passband Ripple	≤ 1 dB
VSWR	≤ 1.5
Out-of-Band Rejection RX	≥ 50 dB (13159–13199 MHz)
Out-of-Band Rejection TX	≥ 50 dB (12996–13036 MHz)

Design Ratings

Parameter	Value
Power Handling	10 W (Guaranteed by design)
Operating Temperature	–30...+70 °C (Guaranteed by design)

Mechanical Specifications

Parameter	Value
RF Interface	SMA-F
RF Impedance	50 Ω
Surface Finish	Silver plating
Common Port	IN
Branch Connector Markings	RX / TX
Electrical Ground	P4
Housing dimensions	50 × 50 × 10 mm
Maximum Side-View Height	≤ 12.5 mm
Branch Connector Center Spacing	34 mm
Mounting holes	4 × Ø2.3 mm (Hole-center spacing 44 × 46 mm)
Common connector axis offset from housing end edge	25 mm

Mechanical Specifications

Parameter	Value
Common connector axis offset from housing face without projections	5 mm
Mounting-hole center offset from common-connector side	2 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.