SMA-K Duplexer

Maximum passband loss is 0.7 dB on L and 1 dB on H. The L path provides ≥20 dB rejection over 3420–8070 MHz.

RF Performance

Parameter	Value
Common RF Port	com
Passband L	1710–2690 MHz
Passband H	3420–13370 MHz
Passband Insertion Loss L	≤0.7 dB
Passband Insertion Loss H	≤1 dB
VSWR L	≤1.8
VSWR H	≤2
Out-of-band rejection L	≥20 dB (3420–8070 MHz)
Out-of-band rejection H	≥50 dB (1710–2690 MHz)

Design ratings

Guaranteed by design

Parameter	Value
Power Handling	15 W
Operating Temperature	−40–+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	SMA-K
RF Impedance	50 Ω
Connector material	Stainless steel
Housing material	6061 aluminum
Housing Dimensions	120 × 60 × 10 mm
Mounting holes	4 × Ø3.2 mm
Mounting Hole Centre Spacing	110 × 50 mm

Installation and Integration

Clean the surface without immersing the unit in cleaning solution. Consult LCRF before ordering for applications in which the entire unit will be heated above 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.