SMA-F Duplexer

Each passband has a maximum loss of 2 dB. LOW rejects 3300–8500 MHz by ≥80 dB, and HIGH rejects 0–2750 MHz by ≥80 dB.

RF Performance

Parameter	Value
Common RF Port	COM
Passband LOW	0–2750 MHz
Passband HIGH	3300–8500 MHz
Passband Insertion Loss LOW	≤2 dB
Passband Insertion Loss HIGH	≤2 dB
VSWR	≤1.5
Out-of-band rejection LOW	≥80 dB (3300–8500 MHz)
Out-of-band rejection HIGH	≥80 dB (0–2750 MHz)

Design ratings Guaranteed by design

Parameter	Value
Power Handling	15 W
Operating Temperature	−45–+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	SMA-F
RF Impedance	50 Ω
Connector material	Stainless steel
Surface Finish	Black
Housing Dimensions	60 ±0.3 × 50 ±0.3 × 20 ±0.3 mm
Mounting holes	4 × Ø3.4 mm
Mounting Hole Centre Spacing	54 × 44 mm
Quality grade	Industrial grade

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.