SMA-F Diplexer

P2 provides ≥80 dBc rejection over 280–300 MHz, and P3 provides ≥80 dBc over 130–180 MHz.

RF Performance

Parameter	Value
Common port	ANT
Passband P2	130–180 MHz
Passband P3	280–300 MHz
Passband Insertion Loss	≤1.0 dB
Passband Ripple	≤0.5 dB
VSWR	≤1.3
Out-of-band rejection P2	≥80 dBc (280–300 MHz)
Out-of-band rejection P3	≥80 dBc (130–180 MHz)

Design ratings

Guaranteed by design

Parameter	Value
Power Handling	40 W
Operating Temperature	−40–+70 °C
Storage Temperature	−50–+80 °C

Mechanical Specifications

Parameter	Value
RF Interface	SMA-F
RF Impedance	50 Ω
Surface finish	Silver plating
Quality grade	Industrial grade
Housing Dimensions	30 × 30 × 13 mm
Through mounting holes	4 × Ø2.8 mm
Mounting Hole Centre Spacing	21.5 × 26 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.