Bandpass Filter · 1750–1850 MHz

Use the 27 × 9 mm hole-center spacing and the connector axis 5 mm above the body base. Allow mating clearance for the opposed SMA-K connectors.

RF Performance

Parameter	Value
Passband	1750–1850 MHz
Passband Insertion Loss [1]	≤ 3.2 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–1590 MHz	≥ 35 dBc
Out-of-Band Rejection · 2200–3500 MHz	≥ 50 dBc
Out-of-Band Rejection · 3500–5000 MHz	≥ 65 dBc
VSWR [1]	≤ 1.6

[1] 1750–1850 MHz

Design Ratings

Guaranteed by design

Parameter	Value
Power Handling	2 W
Operating Temperature	−40...+75 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	SMA-K
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing dimensions	30 × 12 × 10 mm (Excluding connector protrusion)
Mounting holes	4 × M2 through threaded holes (Hole-center spacing 27 × 9 mm)
RF connector axis height above housing base	5 mm

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid.

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.