Bandpass Filter · 1735–1865 MHz

The time-delay variation is at most 1 ns. Allow for the 20 × 9 mm housing footprint and the supported 220 °C reflow temperature.

RF Performance

Parameter	Value
Passband	1735–1865 MHz
Passband Insertion Loss [1]	≤ 3.5 dB
Passband Ripple [1]	≤ 0.5 dB
Out-of-Band Rejection · DC–1550 MHz	≥ 40 dB
Out-of-Band Rejection · 2100–5000 MHz	≥ 40 dB
VSWR [1]	≤ 1.5
Time-delay variation	≤ 1 ns

[1] 1735–1865 MHz

Design Ratings

Guaranteed by design

Parameter	Value
Power Handling	1 W
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	Surface mount
RF Impedance	50 Ω
Housing dimensions	20 × 9 × 5 mm (Dimensional tolerance ±0.2 mm)

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid. Supports reflow soldering at 220 °C. For cutout mounting in multilayer microwave PCBs designed for frequencies above 2000 MHz, ensure proper grounding.

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.