Bandpass Filter · 2000–2550 MHz

Use the 1 ns delay variation limit to evaluate signal timing. Power handling of 10 W is guaranteed by design.

RF Performance

Parameter	Value
Passband	2000–2550 MHz
Passband Insertion Loss [1]	≤ 1.5 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–1000 MHz	≥ 60 dBc
Out-of-Band Rejection · 1000–1500 MHz	≥ 30 dBc
Out-of-Band Rejection · 3000–3500 MHz	≥ 30 dBc
Out-of-Band Rejection · 3500–5500 MHz	≥ 60 dBc
VSWR [1]	≤ 1.60
Time-delay variation	≤ 1 ns

[1] 2000–2550 MHz

Design Ratings

Guaranteed by design

Parameter	Value
Power Handling	10 W
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+85 °C

Mechanical Specifications

Parameter	Value
RF Interface	Round microstrip pins, Ø0.38 mm
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing dimensions	25 × 13 × 5.5 mm (Excludes RF pin protrusions)
Mounting holes	4 × M2 through threaded holes (Hole-center spacing 20.5 × 8.5 mm)
RF pin-axis height above housing base	2 mm
Pin axis distance from housing side edge	6.5 mm
Housing corner radius	1 mm

Installation and handling

Clean the product surface without immersing the filter in cleaning liquid. Consult before ordering if the temperature of the complete unit will exceed 125 °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.