Bandpass Filter · 2000–2300 MHz

Use the 2 ns maximum delay variation to evaluate signal timing. The threaded through holes have a 20.5 × 8.5 mm center pattern.

RF Performance

Parameter	Value
Passband	2000–2300 MHz
Passband Insertion Loss [1]	≤ 2.5 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–1500 MHz	≥ 45 dBc
Out-of-Band Rejection · 1500–1800 MHz	≥ 30 dBc
Out-of-Band Rejection · 2600–2850 MHz	≥ 30 dBc
Out-of-Band Rejection · 2850–4300 MHz	≥ 65 dBc
Out-of-Band Rejection · 4300–8000 MHz	≥ 50 dBc
VSWR [1]	≤ 1.50
Time-delay variation	≤ 2 ns

[1] 2000–2300 MHz

Design Ratings

Guaranteed by design

Parameter	Value
Power Handling	2 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 × 6 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

Mechanical Specifications

Parameter	Value
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.

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.