Bandpass Filter · 1299–1699 MHz

Check rejection at 1209 MHz and 1789 MHz individually. Use the delay variation limit to evaluate timing in the signal path.

RF Performance

Parameter	Value
Passband	1299–1699 MHz
Passband Insertion Loss [1]	≤ 3.0 dB
Passband Ripple [1]	≤ 1.0 dB
Out-of-Band Rejection · DC–1169 MHz	≥ 30 dBc
Out-of-Band Rejection · 1209 MHz [2]	≥ 5 dBc
Out-of-Band Rejection · 1789 MHz [3]	≥ 5 dBc
Out-of-Band Rejection · 1829–4000 MHz	≥ 30 dBc
VSWR [1]	≤ 1.50
Time-delay variation	≤ 3 ns

[1] 1299–1699 MHz
[2] 1209 MHz
[3] 1789 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.