Bandpass Filter · 1565.19–1585.65 MHz

Check signal frequencies against the 1565.19–1585.65 MHz passband. Apply the 40 dB minimum rejection in each of the two specified stopbands.

RF Performance

Parameter	Value
Center Frequency [1]	1575.42 MHz
Passband	1565.19–1585.65 MHz
Passband Insertion Loss [2]	≤ 4.5 dB
Passband Ripple [2]	≤ 0.5 dB
Out-of-Band Rejection · DC–1415 MHz	≥ 40 dB
Out-of-Band Rejection · 1735–5000 MHz	≥ 40 dB
VSWR [2]	≤ 1.50

[1] Typical
[2] 1565.19–1585.65 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	SMA-F
RF Impedance	50 Ω
Surface Finish	Silver plating
Housing dimensions	40.4 × 12 × 10 mm (Excluding connector protrusion)
Mounting holes	4 × M2 mounting threads (Hole-center spacing 37.4 × 9 mm)
Housing material	H62 brass

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.