# Bandpass Filter · 1555–1695 MHz

Apply the specified rejection limit in each stopband. Align the round pins using the 21.4 × 6.4 mm mounting-hole spacing and the 3 mm pin-axis height above the body base.

## RF Performance

| Parameter | Value |
|---|---|
| Passband | 1555–1695 MHz |
| Passband Insertion Loss [1] | ≤ 4.0 dB |
| Passband Ripple [1] | ≤ 1.0 dB |
| Out-of-Band Rejection · DC–975 MHz | ≥ 60 dBc |
| Out-of-Band Rejection · 975–1475 MHz | ≥ 30 dBc |
| Out-of-Band Rejection · 1775–2275 MHz | ≥ 30 dBc |
| Out-of-Band Rejection · 2275–4000 MHz | ≥ 60 dBc |
| VSWR [1] | ≤ 1.80 |
| Bandwidth at −1 dB | ≥ 140 MHz |

[1] 1555–1695 MHz

## Design Ratings

Guaranteed by design

| Parameter | Value |
|---|---|
| Power Handling | 1 W |
| Operating Temperature | −40…+85 °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 | 24 × 9 × 7 mm (Excludes RF pin protrusions) |
| Mounting holes | 4 × M1.6 through threaded holes (Hole-center spacing 21.4 × 6.4 mm) |
| RF pin-axis height above housing base | 3 mm |
| Pin axis distance from housing side edge | 4.5 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.

**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.