# Band-stop Filter · 3300–3600 MHz

Insertion loss is at most 3 dB in both passbands, DC–3280 MHz and 3620–7000 MHz. Both connectors are on the same end of the housing.

## RF Performance

| Parameter | Value |
|---|---|
| Stopband | 3300–3600 MHz |
| Stopband Rejection | ≥60 dB (3300–3600 MHz) |
| Lower Passband | DC–3280 MHz |
| Upper Passband | 3620–7000 MHz |
| Passband Insertion Loss | ≤3 dB (DC–3280 MHz / 3620–7000 MHz) |
| Passband VSWR | ≤1.8 (DC–3280 MHz / 3620–7000 MHz) |

## Design Ratings

| Parameter | Value |
|---|---|
| Power Handling | 50 W (Guaranteed by design) |

## Typical series reference data

Typical reference data shared by the N-K and SMA-K connector configurations.

| Parameter | S12 (dB) | S11 VSWR |
|---|---|---|
| 3250 MHz | -0.64 | 1.39 |
| 3280 MHz | -2.47 | 1.35 |
| 3285 MHz | -8.87 | 3.69 |
| 3290 MHz | -19.63 | 10.63 |
| 3295 MHz | -35.72 | 17.44 |
| 3300 MHz | -77.64 | 30.33 |
| 3400 MHz | -70.27 | 48 |
| 3450 MHz | -76.72 | 41.52 |
| 3500 MHz | -78.03 | 43.54 |
| 3600 MHz | -82.41 | 37.49 |
| 3605 MHz | -37.37 | 18.78 |
| 3610 MHz | -20.15 | 11.47 |
| 3615 MHz | -10.24 | 6.61 |
| 3620 MHz | -2.67 | 1.37 |

## Typical series reference data

Typical reference data shared by the N-K and SMA-K connector configurations.

| Parameter | S12 (dB) | S11 VSWR |
|---|---|---|
| 3650 MHz | -0.73 | 1.42 |

## Mechanical and Interface Specifications

| Parameter | Value |
|---|---|
| RF Connector | SMA-K |
| Connector Shell Material | 304 stainless steel |
| RF Impedance | 50 Ω |
| Surface Finish | Black baked paint |
| Body Length | 300 mm |
| Body Width | 70 mm |
| Length Between Outer Flange Edges | 320 mm |
| Longitudinal Mounting Pitch | 310 mm |
| Transverse Mounting Pitch | 62 mm |
| Through-hole Diameter | 4.5 mm |
| Through-hole Count | 4 |
| Connector Center Spacing | 32 mm |
| Flange Thickness | 3 mm |
| RF axis offset from the top edge in side view | 10.5 mm |
| Overall Height | <45 mm |

## Handling and Installation

Both RF connectors are on the same end of the housing. Clean the product surface without immersing the product in cleaning fluid. For conditions in which the overall product temperature exceeds 125 °C, consult LCRF before ordering.

**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.