# Band-stop Filter · 3410–3700 MHz

Insertion loss is at most 3.5 dB in both passbands, DC–3395 MHz and 3715–7000 MHz. Both connectors are on the same end of the housing.

## RF Performance

| Parameter | Value |
|---|---|
| Stopband | 3410–3700 MHz |
| Stopband Rejection | ≥50 dB (3410–3700 MHz) |
| Lower Passband | DC–3395 MHz |
| Upper Passband | 3715–7000 MHz |
| Passband Insertion Loss | ≤3.5 dB (DC–3395 MHz / 3715–7000 MHz) |
| Passband VSWR | ≤1.8 (DC–3395 MHz / 3715–7000 MHz) |

## Design Ratings

| Parameter | Value |
|---|---|
| Power Handling | 150 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 |
|---|---|---|
| 3300 MHz | -0.52 | 1.41 |
| 3350 MHz | -0.56 | 1.46 |
| 3395 MHz | -2.77 | 1.48 |
| 3400 MHz | -24.62 | 13.17 |
| 3405 MHz | -55.38 | 27.29 |
| 3410 MHz | -74.65 | 43.77 |
| 3450 MHz | -79.39 | 34.44 |
| 3500 MHz | -61.56 | 31.9 |
| 3600 MHz | -68.93 | 43.11 |
| 3700 MHz | -71.65 | 39.37 |
| 3705 MHz | -53.18 | 28.41 |
| 3710 MHz | -15.45 | 16.35 |
| 3715 MHz | -2.89 | 1.46 |
| 3720 MHz | -1.41 | 1.51 |

## Typical series reference data

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

| Parameter | S12 (dB) | S11 VSWR |
|---|---|---|
| 3750 MHz | -0.87 | 1.58 |

## Mechanical and Interface Specifications

| Parameter | Value |
|---|---|
| RF Connector | N-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.