# Band-stop Filter · 2340–2360 MHz

Insertion loss is at most 3.5 dB in both passbands, DC–2330 MHz and 2370–4000 MHz. Both connectors are on the same end of the housing.

## RF Performance

| Parameter | Value |
|---|---|
| Stopband | 2340–2360 MHz |
| Stopband Rejection | ≥70 dB (2340–2360 MHz) |
| Lower Passband | DC–2330 MHz |
| Upper Passband | 2370–4000 MHz |
| Passband Insertion Loss | ≤3.5 dB (DC–2330 MHz / 2370–4000 MHz) |
| Passband VSWR | ≤1.8 (DC–2330 MHz / 2370–4000 MHz) |

## Design Ratings

| Parameter | Value |
|---|---|
| Power Handling | 150 W (Guaranteed by design) |

## Typical series reference data

The N-K and SMA-K configurations share these typical series reference data.

| Parameter | S12 (dB) | S11 VSWR |
|---|---|---|
| 2300 MHz | -0.48 | 1.28 |
| 2320 MHz | -0.51 | 1.24 |
| 2325 MHz | -0.86 | 1.36 |
| 2330 MHz | -2.77 | 1.43 |
| 2335 MHz | -12.48 | 17.43 |
| 2340 MHz | -94.51 | 37.3 |
| 2345 MHz | -94.38 | 41.99 |
| 2350 MHz | -80.86 | 33.48 |
| 2355 MHz | -88.02 | 40.62 |
| 2360 MHz | -90.34 | 40.66 |
| 2365 MHz | -13.76 | 18.72 |
| 2370 MHz | -2.78 | 1.38 |
| 2375 MHz | -0.97 | 1.45 |
| 2380 MHz | -0.66 | 1.26 |

## Typical series reference data

The N-K and SMA-K configurations share these typical series reference data.

| Parameter | S12 (dB) | S11 VSWR |
|---|---|---|
| 2400 MHz | -0.51 | 1.28 |

## 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 | 72 mm |
| Housing height from flange underside | <55 mm |
| Length Between Outer Flange Edges | 320 mm |
| Number of mounting slots | 4 |
| Mounting slot width | 4.5 mm |
| Arc-centre spacing within one slot | 10 mm |
| Slot-centre pitch, lengthwise | 310 mm |
| Slot-centre pitch, crosswise | 50 mm |
| Connector Center Spacing | 34 mm |
| RF axis offset from the top edge in side view | 10 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.