## 3-path filter bank

Use the matching F1, F2 or F3 connectors at opposite ends of the filter bank. Check the passband and rejection limit for the path carrying the signal.

## RF Performance

| Parameter | Value |
|---|---|
| Passband · F1 | 200–350 MHz |
| Passband · F2 | 250–450 MHz |
| Passband · F3 | 350–610 MHz |
| Passband Insertion Loss [1] | ≤ 1.6 dB |
| Passband Ripple [1] | ≤ 1.6 dB |
| VSWR [1] | ≤ 1.5 |
| Out-of-Band Rejection · F1 · 400–1500 MHz | ≥ 40 dB |
| Out-of-Band Rejection · F2 · 500–2000 MHz | ≥ 40 dB |
| Out-of-Band Rejection · F3 · 700–3000 MHz | ≥ 40 dB |

[1] F1, F2 and F3 paths

## Temperature and power

| Parameter | Value |
|---|---|
| Power Handling | 150 W (Guaranteed by design) |
| Operating Temperature | −40…+70 °C |
| Storage Temperature | −55…+85 °C (Guaranteed by design) |

## RF path connections

| Parameter | Value |
|---|---|
| Independent RF paths | 3 |
| RF terminals | 6 |
| F1 | One pair of opposed SMA-F connectors |
| F2 | One pair of opposed SMA-F connectors |
| F3 | One pair of opposed SMA-F connectors |

## Mechanical Specifications

| Parameter | Value |
|---|---|
| RF Interface | SMA-F |
| RF Impedance | 50 Ω |
| Surface Finish | Silver plating |
| Housing material | Copper |
| Housing dimensions | 50 × 50 × 15 mm (Excluding connector protrusion) |
| Mounting holes | 4 through holes, Ø2.8 mm |
| Mounting hole-center spacing | 46 × 46 mm |
| RF connector axis height above housing base | 5 mm |
| F1-to-F3 connector-axis spacing | 30 mm |

**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.