

BANDPASS FILTER

FB-1575



Features

- 3 dB Bandwidth, $\pm 7.5\%$
- Rejection Characterized by Chebyshev Transfer Function
- 5 Section Filter
- User defined option available

Specifications

| Parameter | Min | Typ. | Max |
|--|-----|----------------------|-----|
| Center Frequency, f_c (GHz) | | 15.75 | |
| Passband (GHz) | | $\pm 7.5\%$ of f_c | |
| Insertion Loss @ f_c (dB) | | | 3 |
| Return Loss in Passband (dB) | 10 | 15 | |
| Stopband Suppression (dB) beyond $\pm 27\%$ of f_c | 25 | 30 | |
| Stopband Suppression (dB) beyond $\pm 40\%$ of f_c | 40 | 50 | |
| Impedance (Ω) | | 50 | |
| RF Power (W) | | | 1 |

| Model Number ¹ | Connector Options | | Description | Outline |
|---------------------------|---------------------------------------|---------------------------------|---|--------------------|
| | Example: FB-1575-2K (2.92 M-F) | | | |
| FB-1575 No dash (F-F) | -1 (F-M) -2 (M-F) -3 (M-M) | S (SMA) K (2.92) V (2.40) | Center Frequency 15.75 GHz, Bandpass Filter with SMA Female connectors | KF |

¹Connectors are SMA Female by default.

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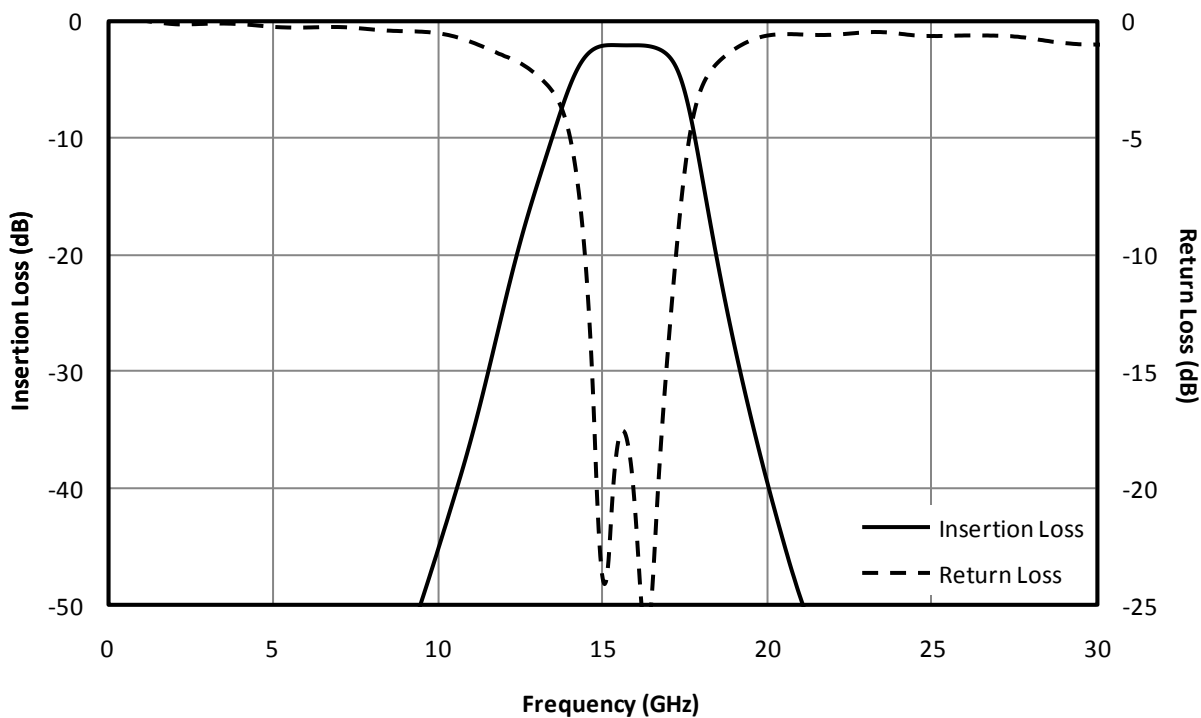


Fig. 1. Magnitude response for a typical FB-1575.

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