

BANDPASS FILTER

FB-0905



Features

- 3 dB Bandwidth, $\pm 6.5\%$
- Rejection Characterized by Chebyshev Transfer Function
- 5 Section Filter
- User defined option available

Specifications

| Parameter | Min | Typ. | Max |
|--|-----|----------------------|-----|
| Center Frequency, f_c (GHz) | | 9.05 | |
| Passband (GHz) | | $\pm 6.5\%$ of f_c | |
| Insertion Loss @ f_c (dB) | | | 3 |
| Return Loss in Passband (dB) | 12 | 20 | |
| Stopband Suppression (dB) beyond $\pm 20\%$ of f_c | 25 | 30 | |
| Stopband Suppression (dB) beyond $\pm 30\%$ of f_c | 40 | 50 | |
| Impedance (Ω) | | 50 | |
| RF Power (W) | | | 1 |

Part Number Options

| Please specify connector configuration by adding to model number. | | | | | |
|---|-----------------|--------------------------------------|----------|--|--------------------|
| Center Frequency (GHz) | Model number | Connector configuration ¹ | | Example | Outline |
| 9.05 | FB-0905 | No dash (F-F) | | FB-0905 -2K (K-Male in; K-Female out) | TE |
| User Defined | Contact factory | -1 (F-M) | S (SMA) | | |
| | | -2 (M-F) | K (2.92) | | |
| | | -3 (M-M) | V (2.40) | | |

¹Connectors are SMA Female by default.

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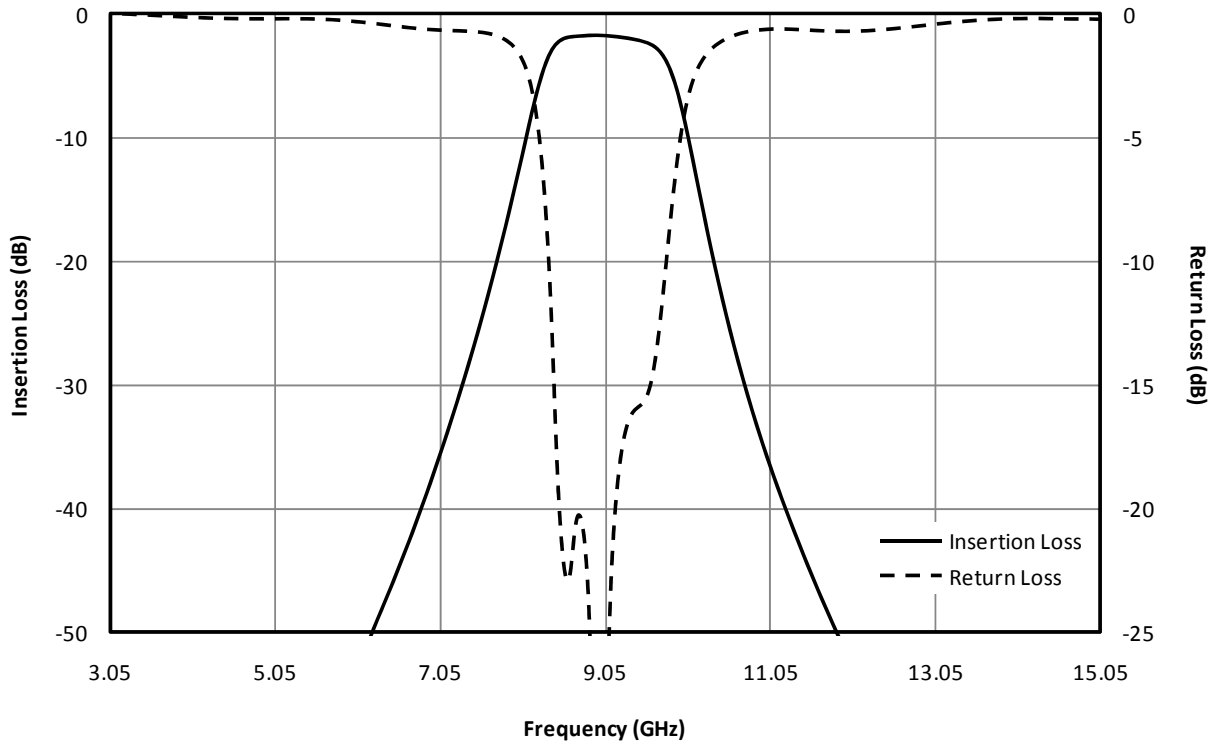


Fig. 1. Magnitude response for a typical FB-0905.

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