

LEAD-FREE / RoHS-COMPLIANT

HIGHPASS FILTER

FH-1800

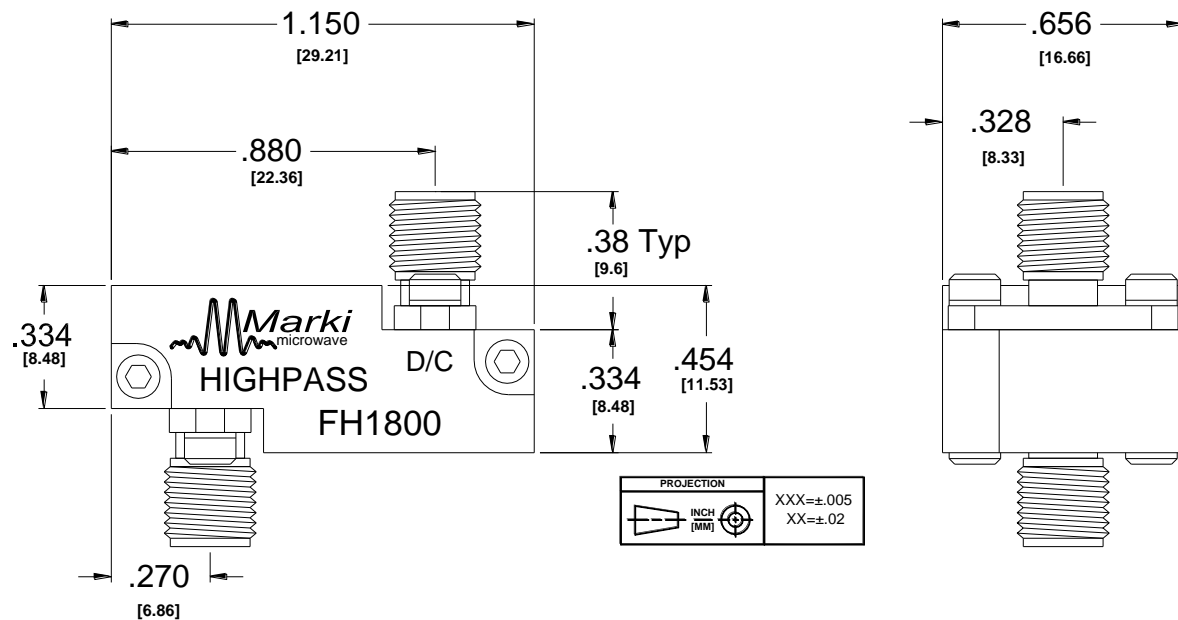
This general purpose high pass filter offers high stop band suppression and low insertion loss in the passband. These filters can be used to eliminate unwanted side bands during up-conversion or for removing spurious interference and noise. Filters with customized frequency cutoff, usable passband and stopband rejection are available upon customer request. Contact the factory for more details.

Features

- Low Insertion Loss
- High Stop Band Attenuation
- Compact Size
- User defined options available
- [FH-1800.s2p](#)

Electrical Specifications – Specifications guaranteed from -55 to +100°C, measured in a 50Ω system.

| Parameter | Frequency (GHz) | Min | Typ. | Max |
|------------------------------|-----------------|-----|------|-----|
| Cutoff Frequency | 18 | | | |
| Passband Insertion Loss (dB) | 18-36 | | 0.9 | 1.8 |
| Passband Return Loss (dB) | 18-36 | 8 | | |
| Stopband Suppression (dB) | DC-6.5 | 70 | 80 | |
| | 12 | 40 | 50 | |
| | 15 | 25 | 30 | |
| Impedance (Ω) | | | 50 | |
| RF Power (W) | | | | 20 |



Typical Performance

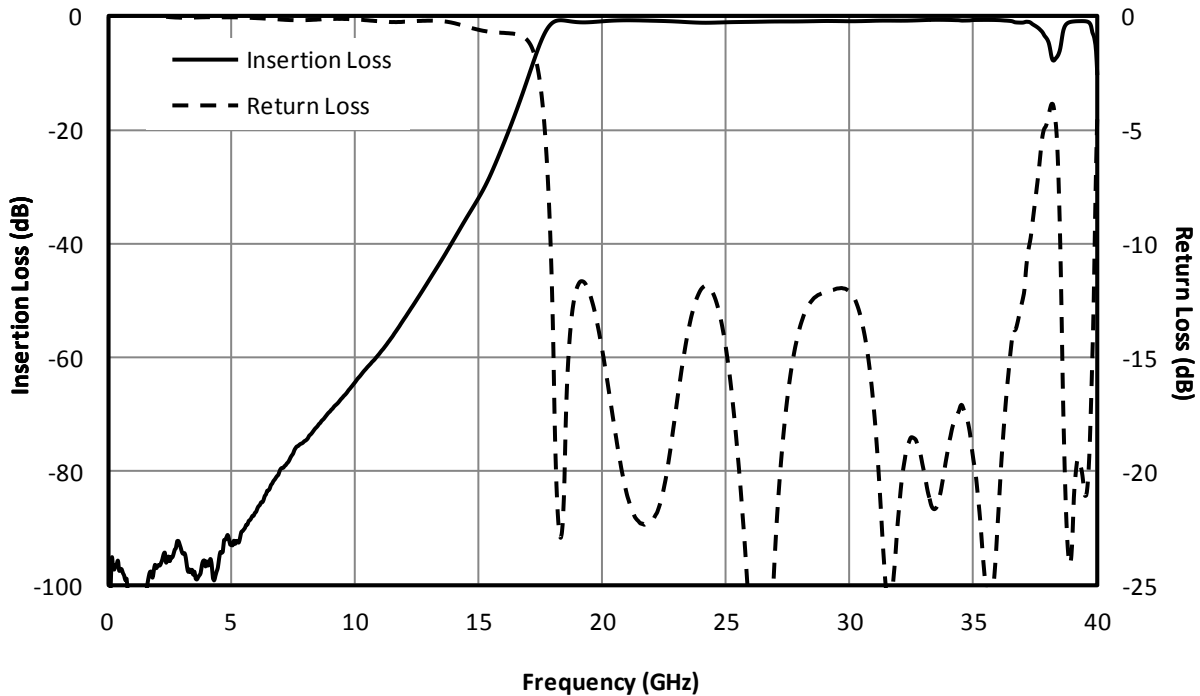


Fig. 1. Magnitude response for a typical FH-1800 Filter.

| Model Number | Description |
|--------------|--|
| FH-1800 | 18 GHz Highpass Filter with 2.92 mm Female connectors ¹ |

¹Default is 2.92 mm female connectors. Consult factory for other connector options.

NOTE:
Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

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