

LEAD-FREE / RoHS-COMPLIANT

BANDPASS FILTER

FB-2400

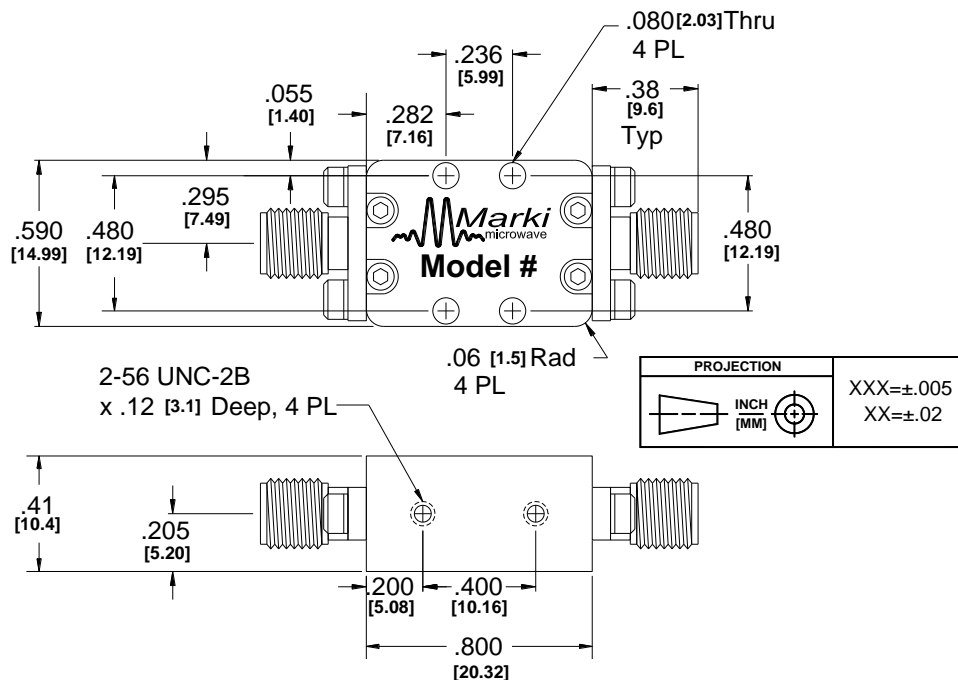
Features

- Low Insertion Loss
- Excellent Return Loss
- High Stop Band Suppression
- Wide Stop Band
- Sharp Roll-Off
- [FB-2400.S2P](#)



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

| Parameter | Frequency (GHz) | Min | Typ. | Max |
|-------------------------------|------------------------------------|----------|----------|-----|
| Center Frequency, f_c (GHz) | 24 | | | |
| Passband (GHz) | 22.4-25.6 ($\pm 6.5\%$ of f_c) | | | |
| Insertion Loss @ f_c (dB) | | | | 3 |
| Passband Return Loss (dB) | 22.4-25.6 | 10 | 15 | |
| Stopband Suppression (dB) | 13.7, 32 17.2, 29.6 | 40 25 | 50 30 | |
| Impedance (Ω) | | | 50 | |
| RF Power (W) | | | | 1 |
| Weight (g) | | | 15 | |



Typical Performance

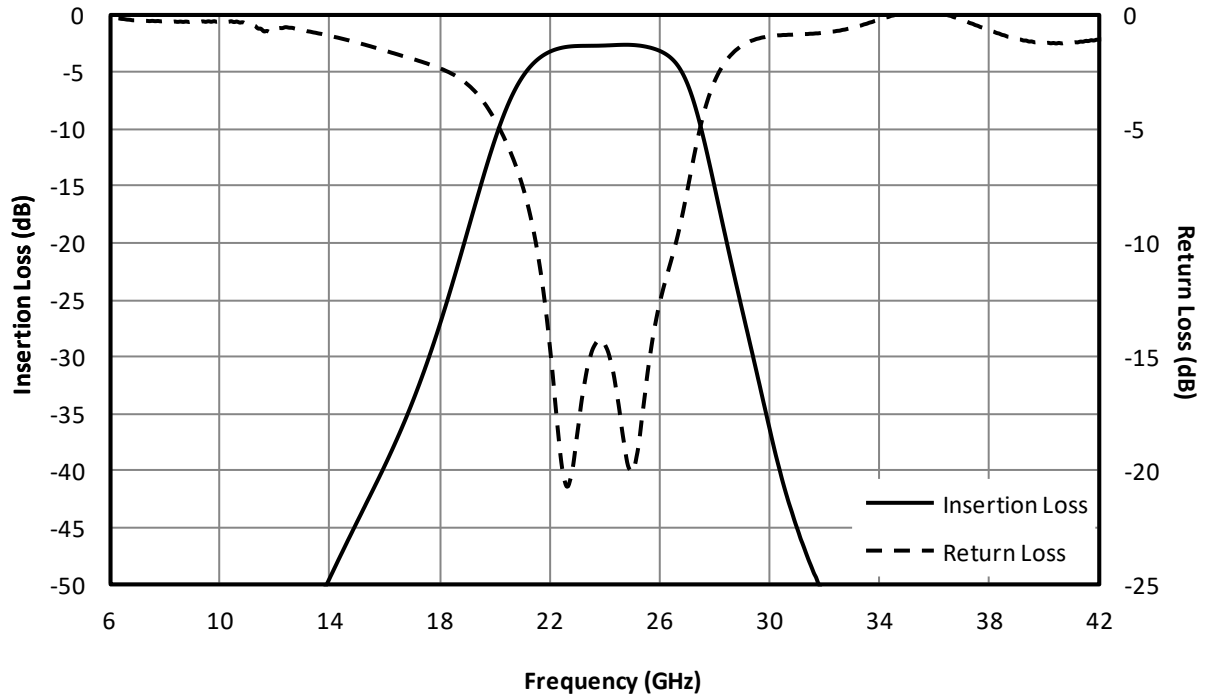


Fig. 1. Magnitude response for a typical FB-2400.

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| Model Number | Description |
|--------------|--|
| FB-2400 | 24 GHz Bandpass Filter with SMA Female connectors ¹ , LEAD-FREE/RoHS COMPLIANT |

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

Revision History

| Revision code | Revision Date | Comment |
|---------------|---------------|---------------|
| D | March 2020 | RoHS Assembly |

NOTE:

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

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