

SURFACE MOUNT BANDPASS FILTER

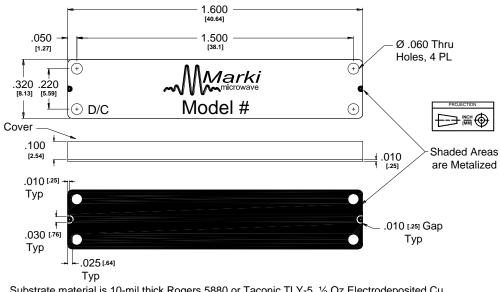
FB-0955SM

Features

- Chebyshev Response
- Typical 3 dB Bandwidth, ± 7%
- 50 dB Stop Band Suppression
- 5 Section Filter
- <u>FB-0955.S2P</u>
- Reflow Solderable

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

| Parameter | Frequency (GHz) | Min | Тур. | Max |
|------------------------------------|-----------------|-----|------|-----|
| Center Frequency, f _c | 9.55 | | | |
| Pass Band | 8.9-10.2 | | | |
| Insertion Loss (dB) | 9.55 | | 2 | 3 |
| Return Loss (dB) | 8.9-10.2 | | 12 | |
| Stop Band Suppression (dB) , Lower | 5.6 | | 50 | |
| | 6.7 | | 35 | |
| Stop Band Suppression (dB), Upper | 13.2 | | 50 | |
| | 12.1 | | 35 | |
| Impedance ([]) | | | 50 | |
| RF Power (W) | | | | 1 |



Substrate material is 10-mil thick Rogers 5880 or Taconic TLY-5, ½ Oz Electrodeposited Cu. I/O Pads & Ground Plane Finish is 100-300 μ-inches 60/40 Pb/Sn Solder Plate over Cu. See http://www.markimicrowave.com/menus/appnotes/an-flsm1600-pcb.pdf for suggested PCB layout.

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Typical Performance

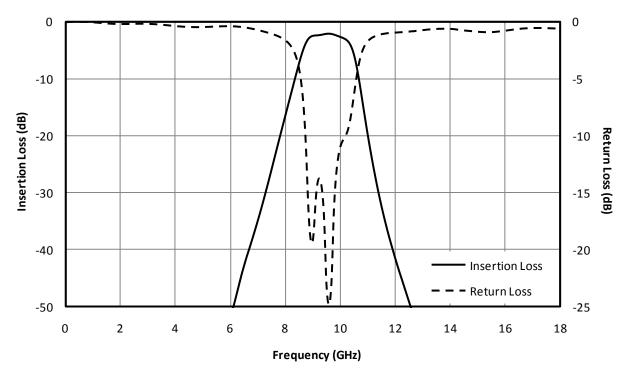


Fig. 1. Magnitude response for a typical FB-0955SM, measured in a connectorized fixture.

| Model Number | Description | |
|--------------|---|--|
| FB-0955SM | 9.55 GHz Bandpass Filter, Surface Mount | |

Connectorized test fixtures available. Consult factory.

NOTE:

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

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