

GaAs MMIC Bandpass Filter Chip , 20.5-23GHz

Performance characteristics

- Frequency range: 20.5 - 23 GHz
- Passband loss : 5.5 dB
- Stopband attenuation: $\geq 20\text{dB}@19.7\text{ GHz}$, $\geq 20\text{dB}@23.9\text{ GHz}$
- Stopband attenuation: $\geq 35\text{ dB}@19.5\text{ GHz}$, $\geq 35\text{ dB}@24.2\text{ GHz}$
- Chip size: 1.72 x 1.2 x 0.1mm

Use limit parameters

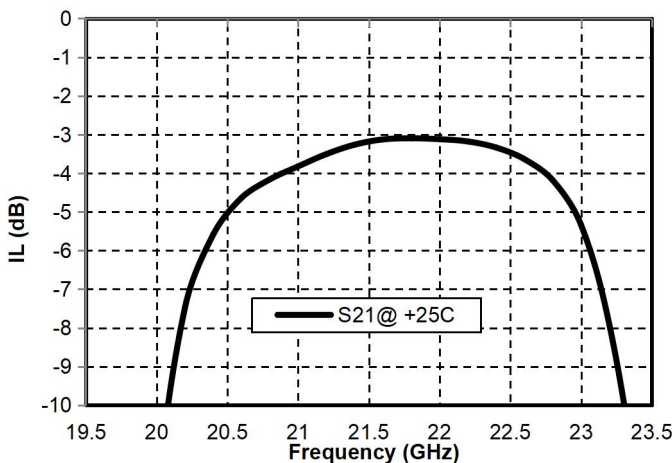
Maximum input power	30	dBm
storage temperature	-65 ~ +150	degree
Operating temperature	-55 ~ +120	degree

Product Introduction

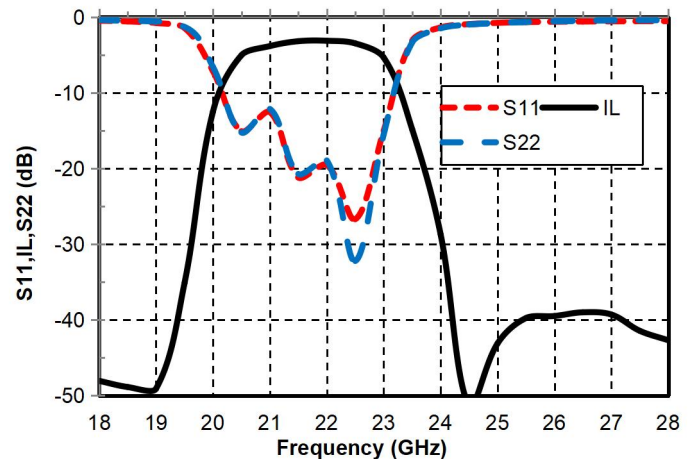
GFB-2023A is a bandpass filter chip with a frequency range of 20.5~23 GHz , an in-band insertion loss of 5.5 dB , and an in-band standing wave of 1.5 .

Main index test curve

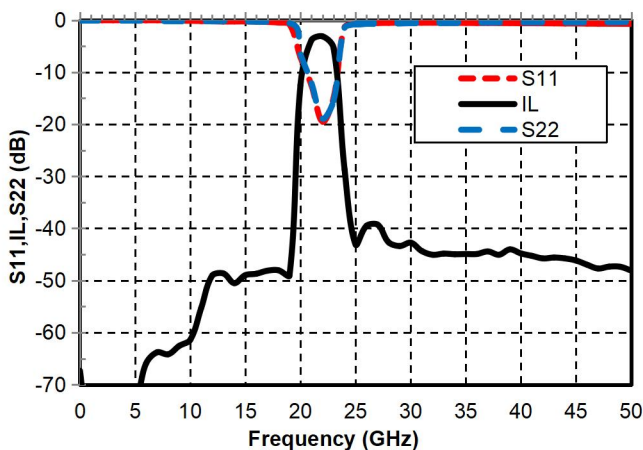
Insertion Loss vs. Operating Frequency



Frequency Response vs. Operating Frequency

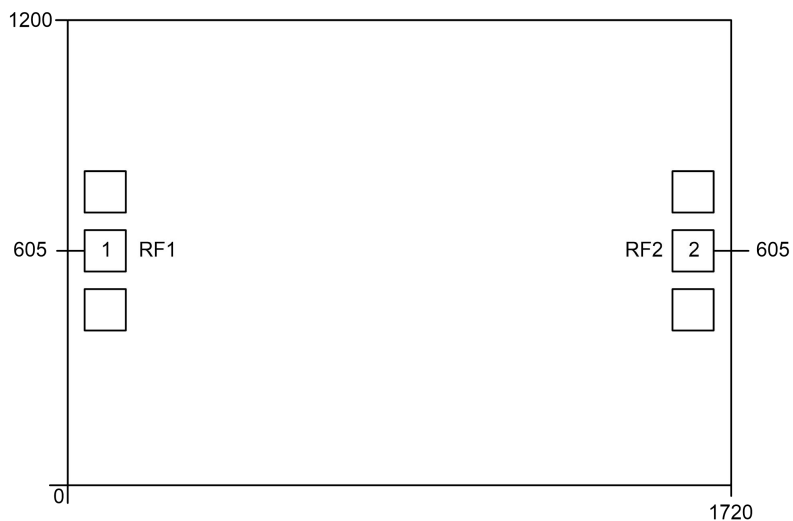


Frequency Response vs. Operating Frequency



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Appearance structure



The units in the figure are all micrometers, (chip size tolerance $\pm 50\mu\text{m}$)