

GaAs MMIC Bandpass Filter Chip , 12-13GHz

Performance characteristics

- Frequency range: 12-13GHz
- Passband loss : 3 dB
- Stopband attenuation: $\geq 20\text{dB}@10.9\text{GHz}$, $\geq 20\text{dB}@14.1\text{GHz}$
- Stopband attenuation: $\geq 40\text{ dB @ } 10.65\text{ GHz}$, $\geq 40\text{ dB @ } 14.55\text{ GHz}$
- Chip size: 1.72 x 1.2 x 0.1mm

Use limit parameters

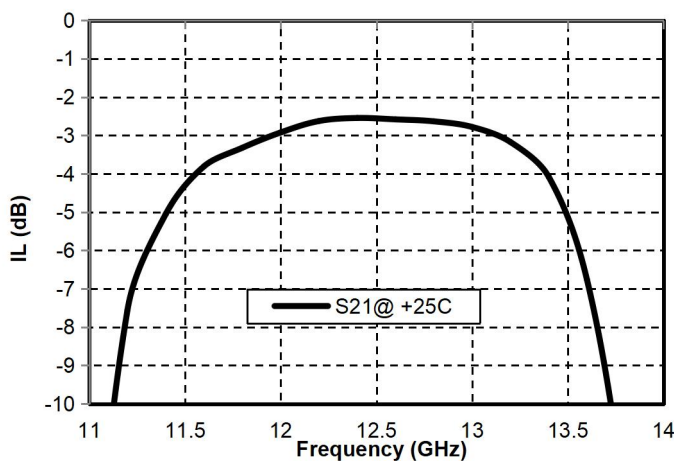
Maximum input power	30	dBm
storage temperature	-65 ~ +150	degree
Operating temperature	-55 ~ +120	degree

Product Introduction

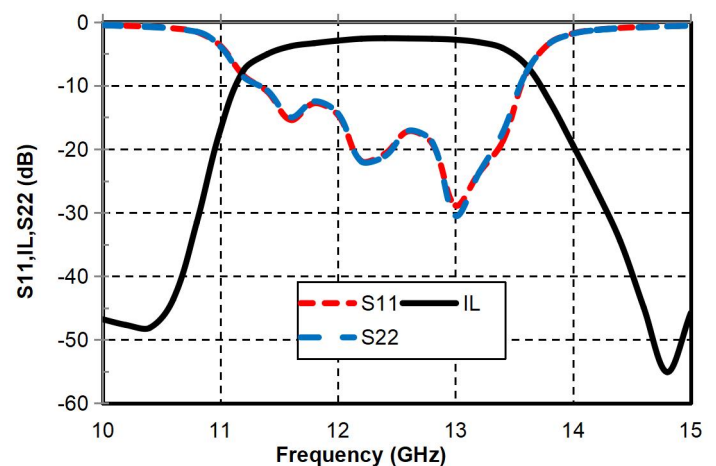
GFB-1213A is a bandpass filter chip with a frequency range of 12~13GHz , an in-band insertion loss of 3 dB , and an in-band standing wave of 1.5 .

Main index test curve

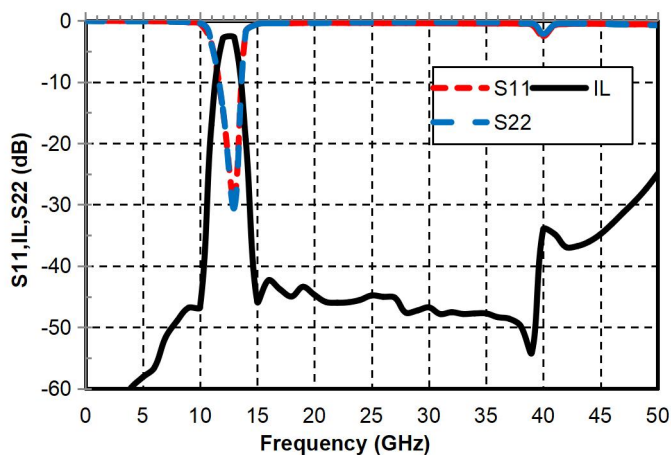
Insertion Loss vs. Operating Frequency



Frequency Response vs. Operating Frequency

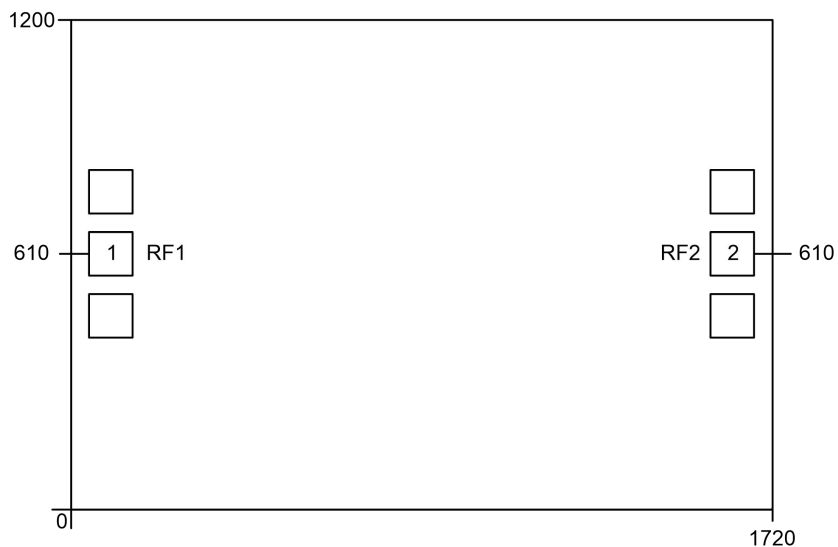


Frequency Response vs. Operating Frequency



GaAs MMIC Bandpass Filter Chip , 20.5-23 GHz

Appearance structure



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