

## GaAs MMIC Bandpass Filter Chip , 12.5-15.5GHz

### Performance characteristics

- Frequency range: 12.5 - 15.5 GHz
- Passband loss : 6 dB
- Stopband attenuation:  $\geq 20\text{dB}@12.1\text{GHz}$  ,  $\geq 20\text{dB}@16.1\text{GHz}$
- Stopband attenuation:  $\geq 40\text{ dB}@11.7\text{ GHz}$  ,  $\geq 40\text{ dB}@16.7\text{ GHz}$
- Chip size: 1.72 x 1.2 x 0.1mm

### Use limit parameters

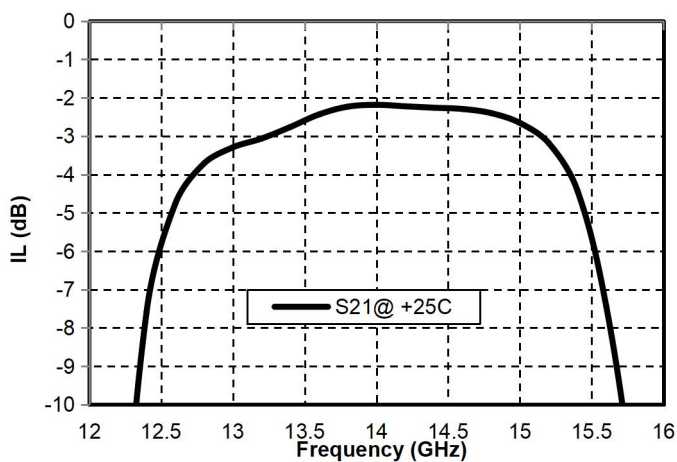
Maximum input power	30	dBm
storage temperature	-65 ~ +150	degree
Operating temperature	-55 ~ +120	degree

### Product Introduction

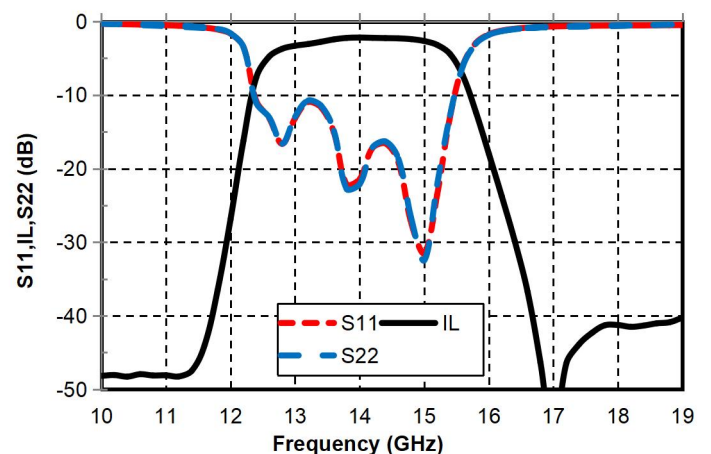
GFB-1215A is a bandpass filter chip with a frequency range of 12.5~15.5 GHz , an in-band insertion loss of 6 dB , and an in-band standing wave of 1.5 .

### Main index test curve

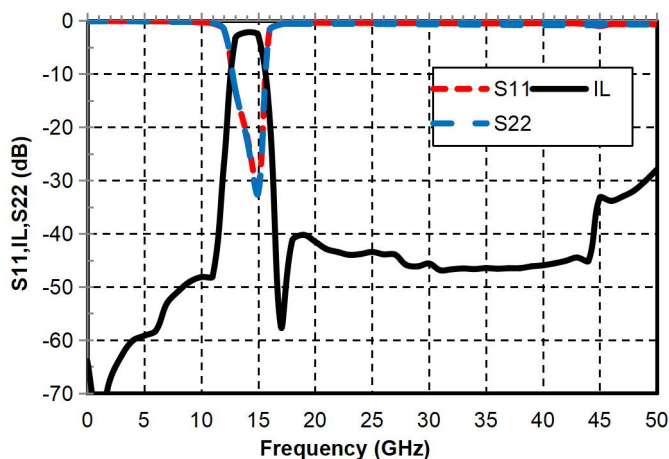
Insertion Loss vs. Operating Frequency



Frequency Response vs. Operating Frequency

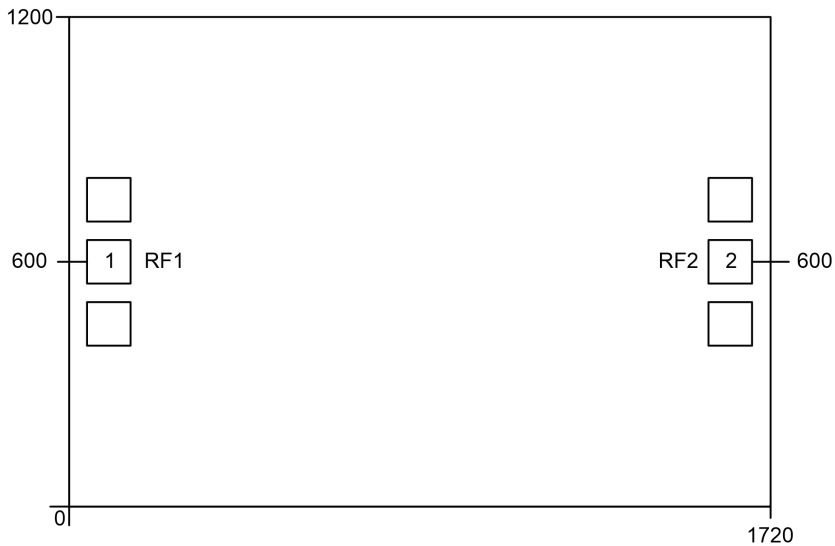


Frequency Response vs. Operating Frequency



## GaAs MMIC Bandpass Filter Chip , 15.5-18GHz

### Appearance structure



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