

GaAs MMIC Monolithic High Pass Filter , 4-20 GHz

Performance characteristics

- Frequency range: 4 - 20 GHz
- Insertion loss: 1.8 dB (typ.)
- Stopband attenuation: $\geq 20\text{dB}$ @ 3.1 GHz;
 $\geq 40\text{dB}$ @ 2.85 GHz
- Input/output standing wave: 1.8
- 50Ohm input/output
- Chip size: QFN 4X4

Use limit parameters

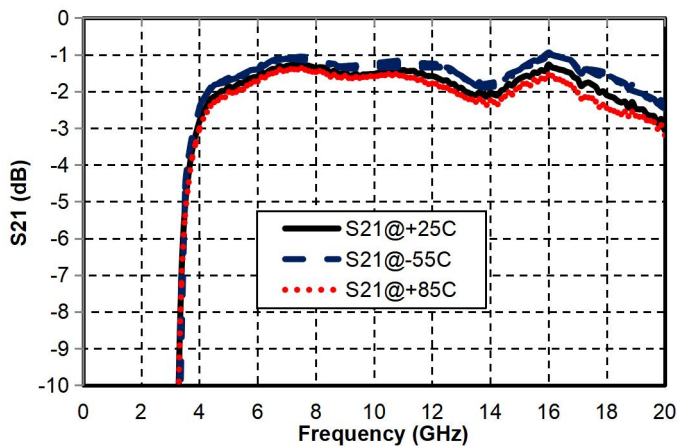
Maximum input power	+30dBm
Operating temperature	-55 ~ +85°C
Storage temperature	-65 ~ +150°C

Product Introduction

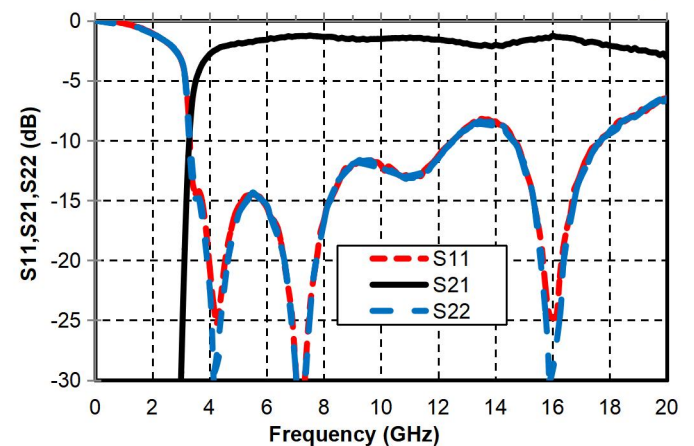
GFL -0420-CQ4 monolithic high-pass filter chip, frequency range covers 4~20 GHz , in-band insertion loss 1.8 dB , in-band standing wave 1.8. This chip adopts 4 x 4 mm ceramic surface mount package, the surface of the pin pad is gold-plated, suitable for reflow soldering installation process.

Main index test curve

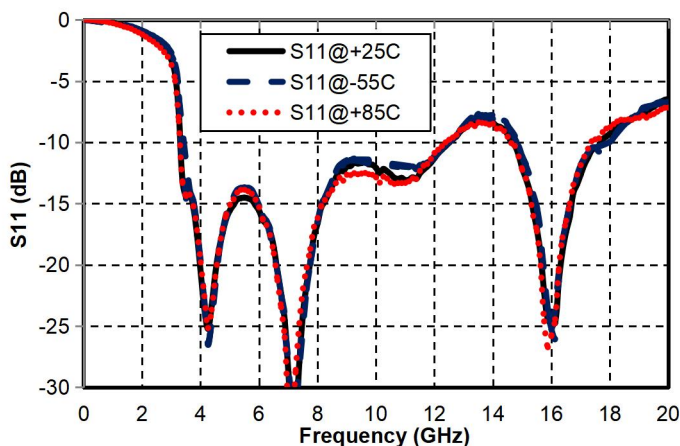
Insertion Loss vs. Operating Frequency



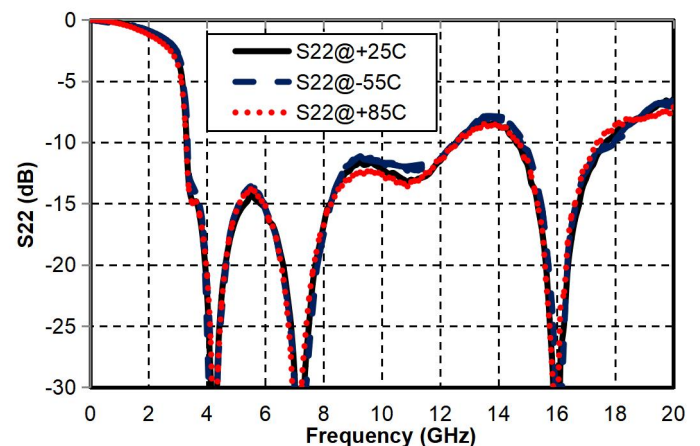
Frequency Response vs. Operating Frequency



Input Return Loss vs. Operating Frequency

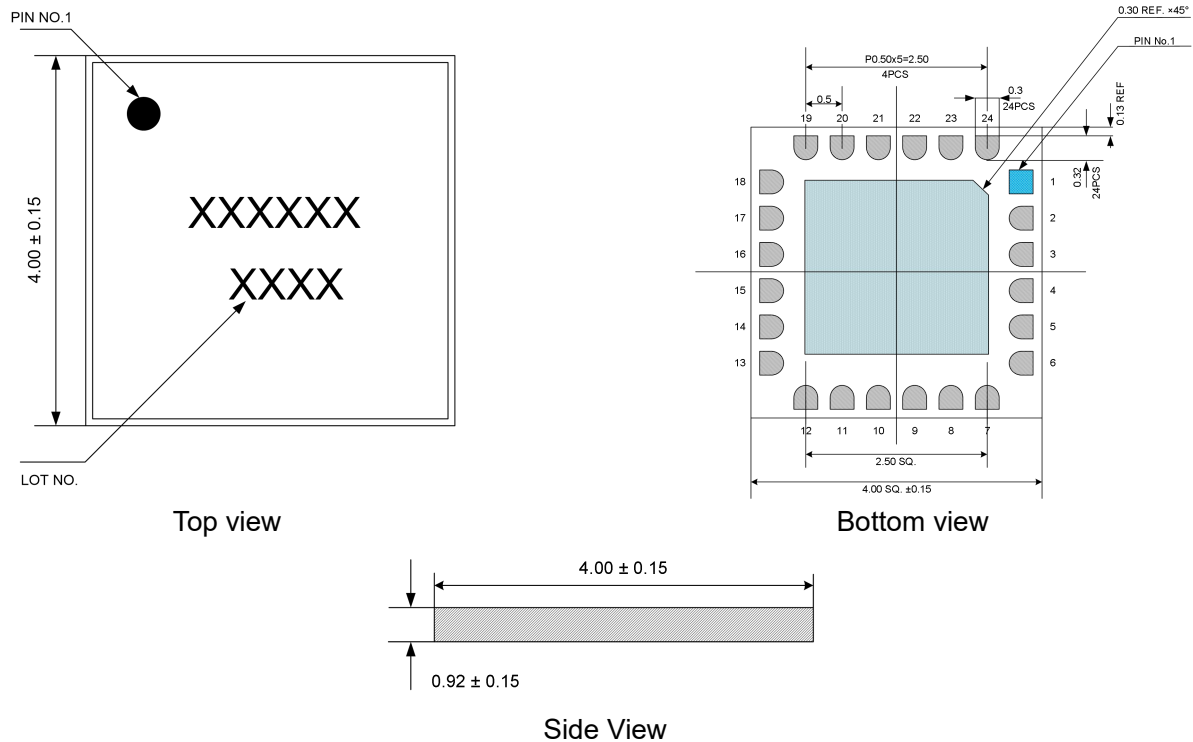


Output Return Loss vs. Operating Frequency



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Appearance structure



The units in the figures are all in millimeters , and the tolerance is ± 0.15 mm.

Pin number	Function Symbol	Functional Description
4	RFIN	RF signal input terminal
15	RFOUT	RF signal output terminal
3, 5, 14, 16	GND	The pin needs to be in good contact with the RF and DC ground
Chip bottom	GND	Needs to be in good contact with the RF and DC grounds

Recommended Circuit

