

GaAs MMIC 3dB Equalizer Chip, 20-70GHz

Performance characteristics

- Frequency range: 20-70 GHz
- Equalization Amount : 3 dB
- Insertion loss: 1.7dB @ 70 GHz
- 50Ohm input / output
- 100% on-wafer testing
- Chip size: 0.58 x 0.73 x 0.1mm

Use the limit parameter

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

Product Introduction

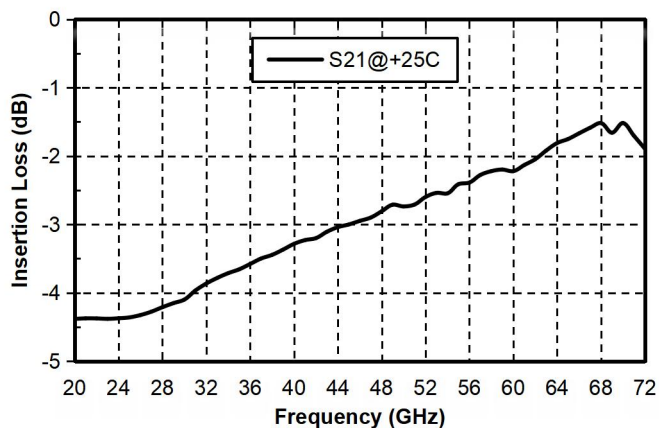
GEQ-2070-3A is a GaAs MMIC equalizer chip with a frequency range of 20 GHz to 70 GHz , an equalization value of 3 dB , and an input / output standing wave of 1.2/1.4.

Electrical performance parameters (TA = +25°C)

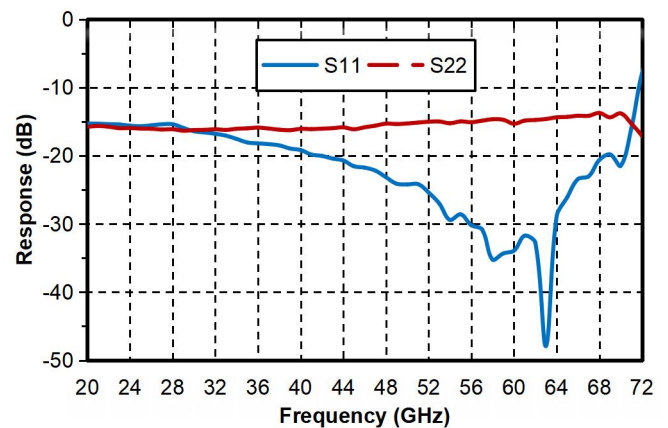
| index | Minimum | Typical Value | Maximum | unit |
|----------------------------|---------|---------------|---------|------|
| Frequency Range | 20-70 | | | G Hz |
| Balance | | 3 | | dB |
| Input / output return loss | - | 22/15 | - | dB |

Main index test curve

Insertion Loss vs. Operating Frequency



Input /Output Return Loss vs. Operating Frequency



Appearance and structure (units in the figure are all microns)
(Dimensional tolerance : ± 5 0um.)

Recommended assembly drawing

