

## GaAs MMIC 4dB Equalizer Chip , 6-18 GHz

### Performance characteristics

- Frequency range: 6-18 GHz
- Equalization Amount : 4 dB
- Insertion loss: 0.5dB@18GHz
- 50Ohm input / output
- 100% on-wafer testing
- Chip size: 0.72 x 0.65 x 0.1mm

Use the limit parameter

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

### Product Introduction

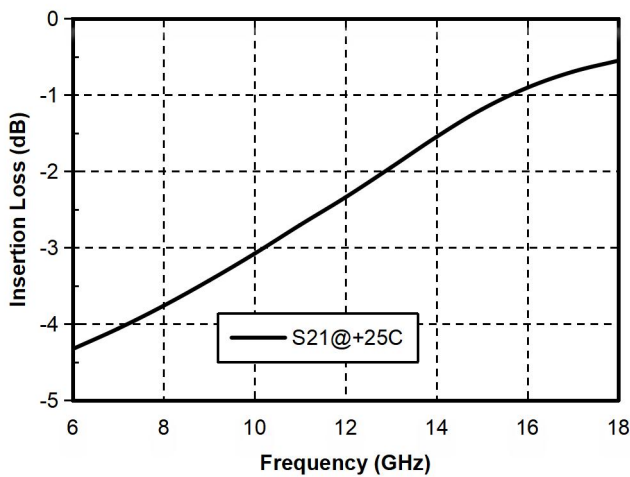
GEQ-06184 is a GaAs MMIC equalizer chip with a frequency range of 6 GHz to 18 GHz , an equalization amount of 4 dB , and an input / output standing wave of 1.1/1.1.

#### Electrical performance parameters ( TA = +25°C)

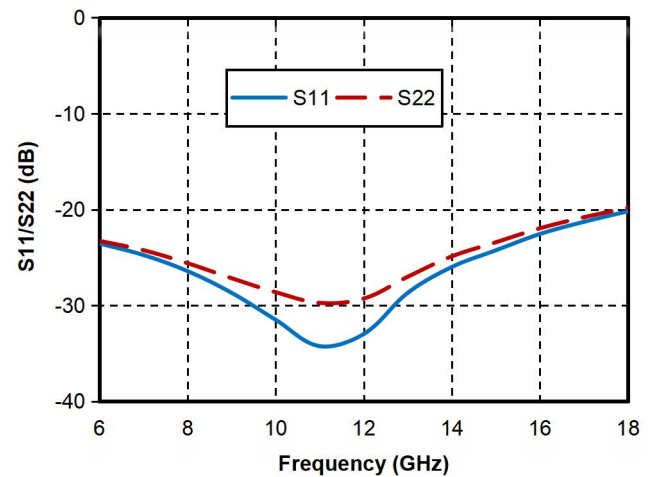
| index                      | Minimum | Typical Value | Maximum | unit |
|----------------------------|---------|---------------|---------|------|
| Frequency Range            | 6-18    |               |         | G Hz |
| Balance                    |         | 4             |         | dB   |
| Input / output return loss | -       | 27/28         | -       | 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 )

Recommended assembly drawing

