

GaAs MMIC 5dB Equalizer Chip , 6-18 GHz

Performance characteristics

- Frequency range: 6-18 GHz
- Equalization Amount : 5 dB
- Insertion loss: 1.3dB@18GHz
- 50Ohm input / output
- Chip size: QFN 3X3 mm

Use the limit parameter

Maximum input power	+30dBm
Operating temperature	-55 ~ + 125 °C
Storage temperature	-65 ~ +150°C

Product Introduction

GEQ-06185B-CQ3 is a GaAs MMIC equalizer chip, frequency range covers 6~18 GHz , equalization amount 5 dB , input / output standing wave 1.2/1.2.

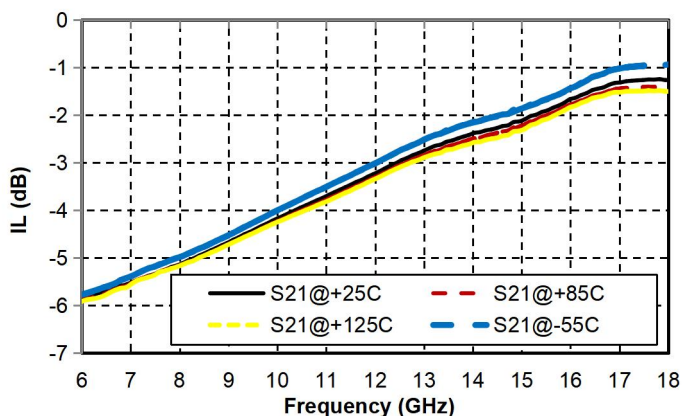
The equalizer adopts 3X3mm surface mount leadless ceramic tube package.

Electrical performance parameters (TA = +25°C)

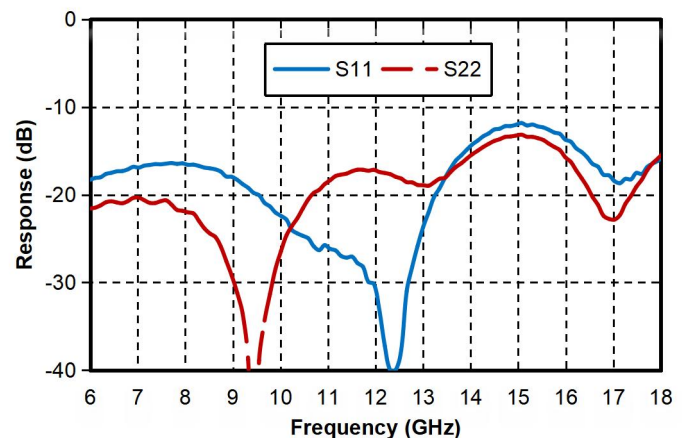
Index	Minimum	Typical Value	Maximum	Unit
Frequency Range	6-18			GHz
Balance		5		dB
Input / output return loss	-	20/20	-	dB

Main index test curve

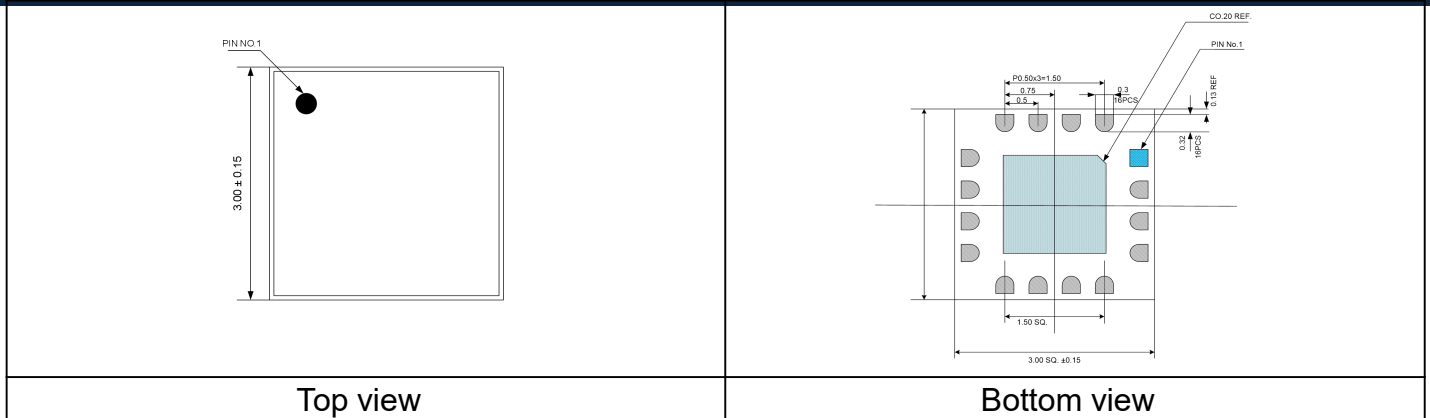
Insertion Loss vs. Operating Frequency



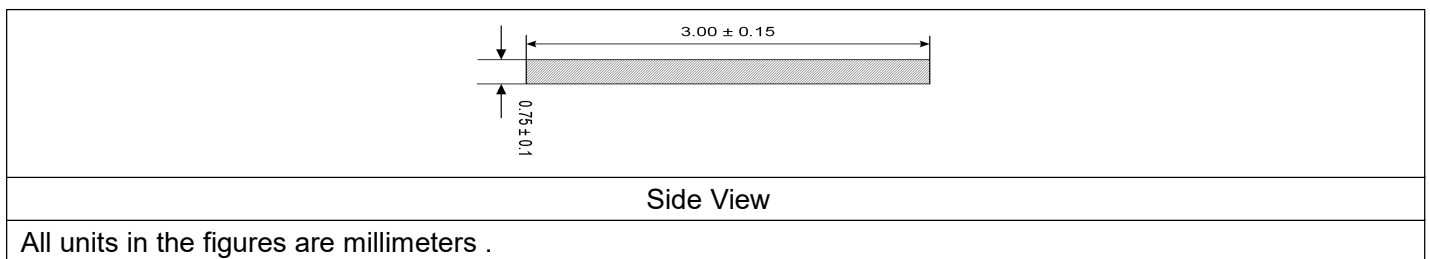
Input /Output Return Loss vs. Operating Frequency



Appearance structure

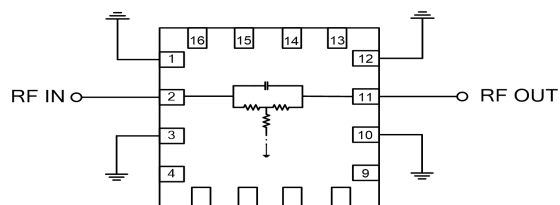


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Pin Definition		
Bonding point number	Function Symbol	Functional Description
2	RFIN	RF signal input terminal
11	RFOUT	RF signal output terminal
1, 3, 10, 12, bottom of chip	GND	The bottom of the chip needs to be well grounded to RF and DC
Other	NC	Floating or grounded

Recommended circuit diagram



Precautions for use

- Sealing material : Ceramic material that meets ROHS standards

- Lead surface plating: gold, gold layer thickness 0.3 um min
- Maximum reflow peak temperature: 260 °C