

GaAs MMIC 4dB Equalizer Chip , 1-12 GHz

Performance characteristics

- Frequency range: 1-12 GHz
- Equalization Amount : 4 dB
- Insertion loss: 0.9dB@12GHz
- 50Ohm input / output
- Chip size: QFN 3X3 mm

Use the limit parameter

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

Product Introduction

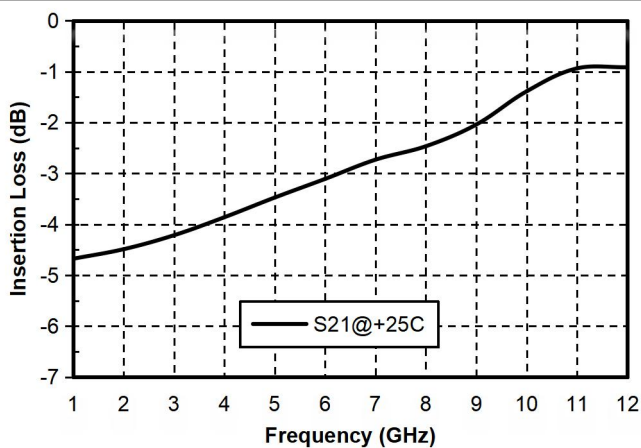
GEQ-01124-CQ3 is a GaAs MMIC equalizer chip with a frequency range of 1~12GHz, an equalization amount of 4dB, and an input/output standing wave of 1.3/1.3. The amplifier adopts a 3X3mm surface-mount leadless ceramic tube case, which can achieve airtight packaging.

Electrical performance parameters (TA = +25°C)

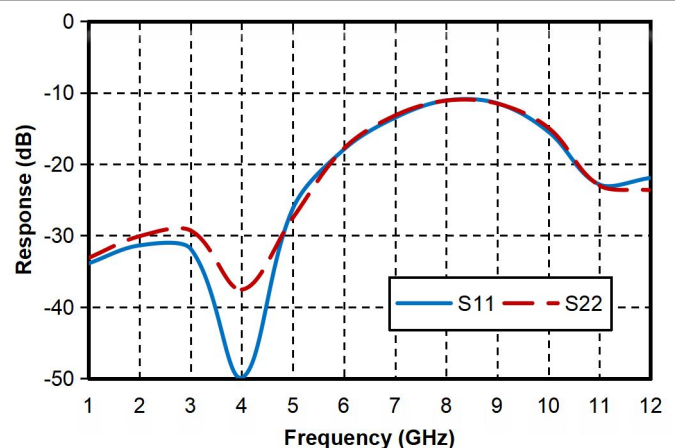
Index	Minimum	Typical Value	Maximum	Unit
Frequency Range	1-12			GHz
Balance		4		dB
Input / output return loss	-	20/20	-	dB

Main index test curve

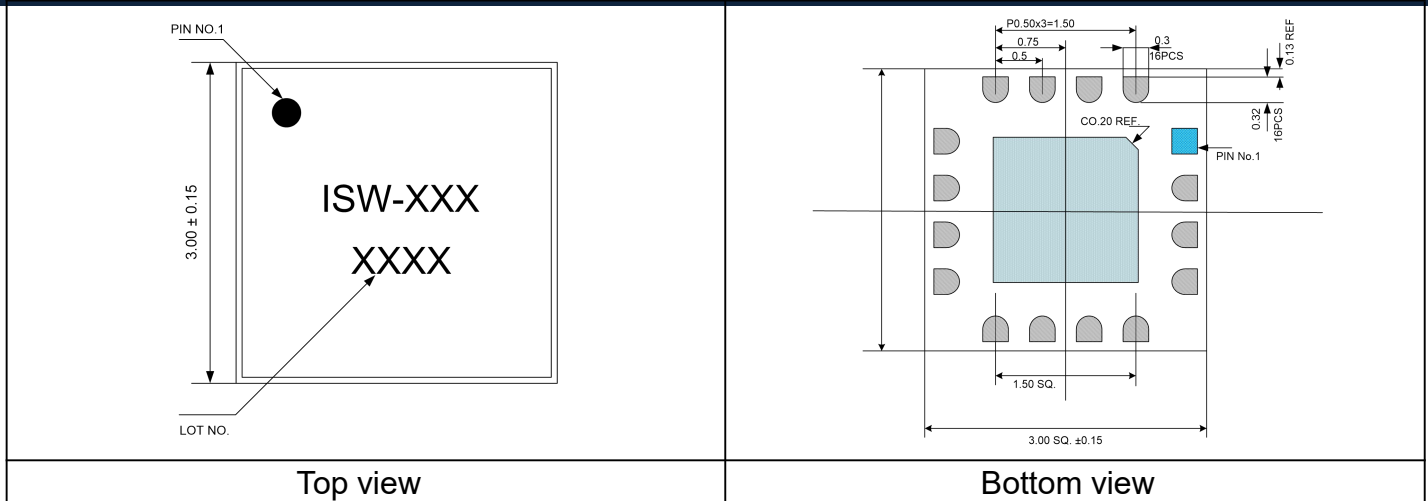
Insertion Loss vs. Operating Frequency



Input /Output Return Loss vs. Operating Frequency



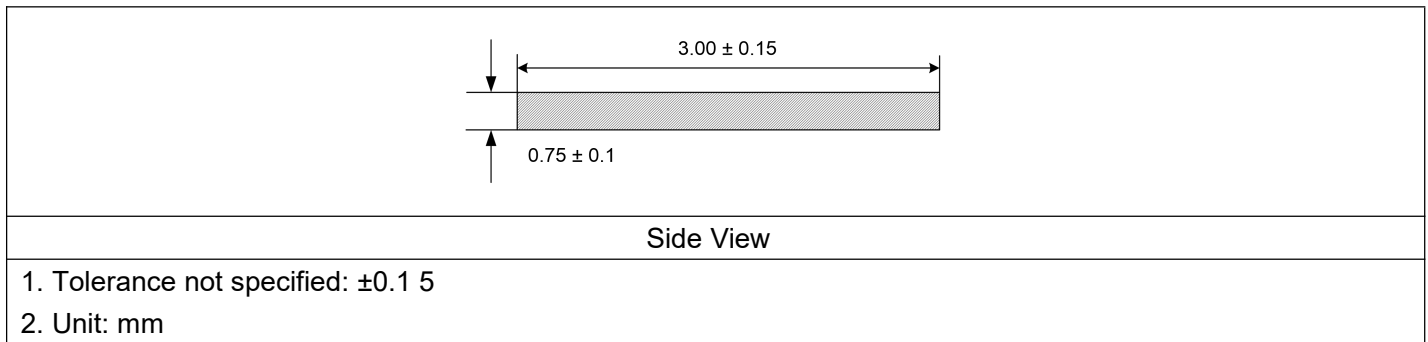
Appearance and structure (units in the figure are all millimeters)



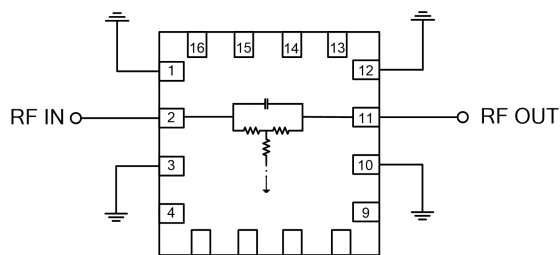
Top view

Bottom view

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Recommended assembly drawing



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	GND	The pins need to be well grounded to the RF and DC grounds
Chip bottom	GND	The bottom of the chip needs to be well grounded to RF and DC
Other	NC	Floating or grounded

