

## GaAs MMIC 3dB Equalizer Chip , 2-6 GHz

### Performance characteristics

- Range : 2-6GHz
- Equalization Amount : 3 dB
- Insertion loss: 1.0dB@6GHz
- 50Ohm input / output
- Chip size: DFN 2X2 mm

Use the limit parameter

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

### Product Introduction

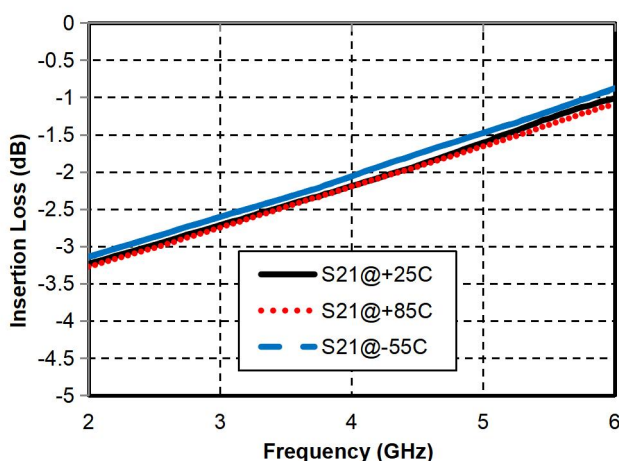
GEQ-02063-DF2 is a GaAs MMIC equalizer chip, frequency range covers 2~6 GHz , equalization amount 3 dB , input / output standing wave 1.2/1.2.

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

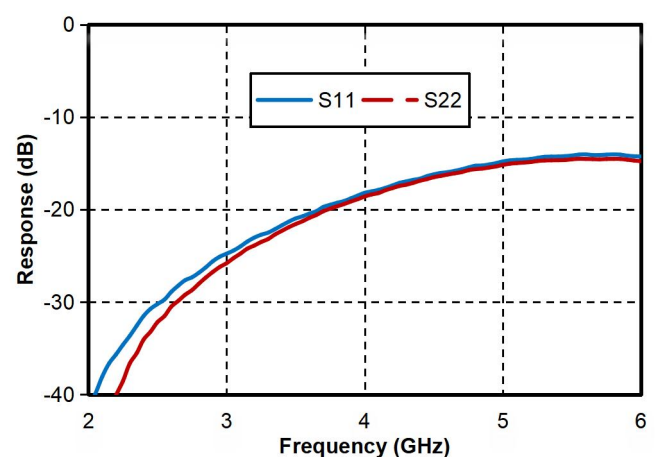
Index	Minimum	Typical Value	Maximum	Unit
Frequency Range	2-6			GHz
Balance		3		dB
Input / output return loss	-	20/20	-	dB

### Main index test curve

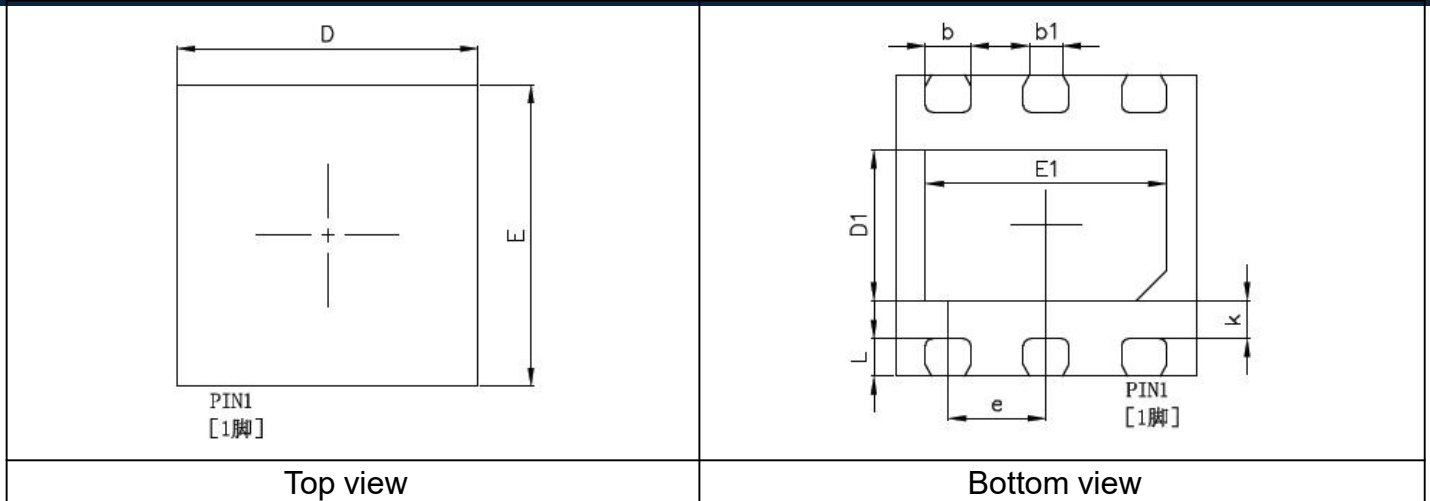
Insertion Loss vs. Operating Frequency



Input /Output Return Loss vs. Operating Frequency

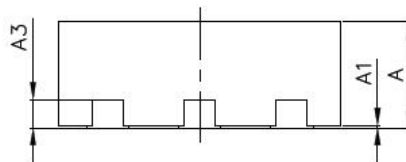


Appearance and structure ( units in the figure are all millimeters )



## GaAs MMIC 6dB Equalizer Chip , 2-6 GHz

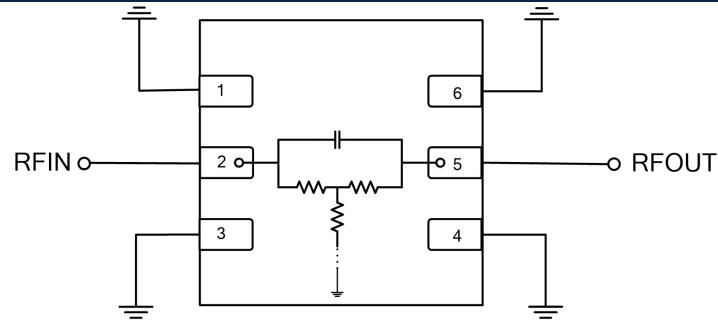
Appearance and structure ( units in the figure are all millimeters )



Side View

SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	0.700	0.750	0.800
A1	0.000	0.025	0.050
A3	0.203REF		
D	1.900	2.000	2.100
E	1.900	2.000	2.100
D1	0.900	1.000	1.100
E1	1.500	1.600	1.700
K	0.250REF		
b	0.250	0.300	0.350
b 1	0.220REF		
e	0.650REF		
L	0.174	0.250	0.326

Recommended assembly drawing



## Pin Definition

Bonding point number	Function Symbol	Functional Description
2	RFIN	RF signal input terminal
5	RFOUT	RF signal output terminal
1, 3, 4, 6	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