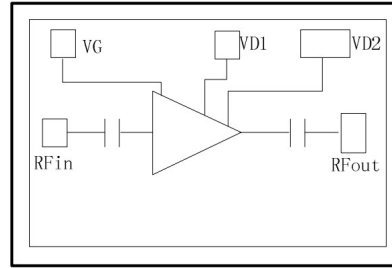


Performance

- Technical Type: 0.25um GaAs PHEMT
- Frequency: 2~18GHz
- Typical Power Gain: 14dB
- Typical Output Power: 24dBm@5V
- Typical PAE: 18%
- Bias Voltage: 5V, -0.6V
- Size: 3.2*1.9mm*0.08mm

Function Schematic

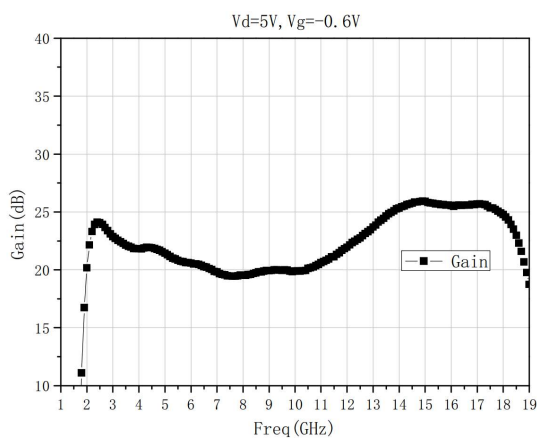


Electrical Specifications (Vd=5V, Vg=-0.6V, Freq=2~18GHz)

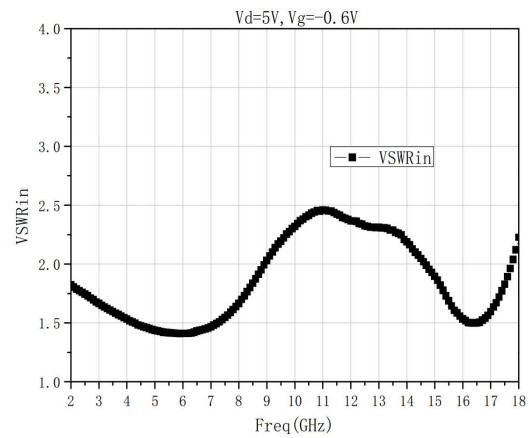
Symbol	Parameter	Min	Typical	Max	Unit
G	Small Signal Gain	-	20	-	dB
Gp	Power Gain	-	14	-	dB
Psat	Saturated Power	-	24	-	dBm
PAE	Power Added Efficiency	-	18	-	%

Test Curves

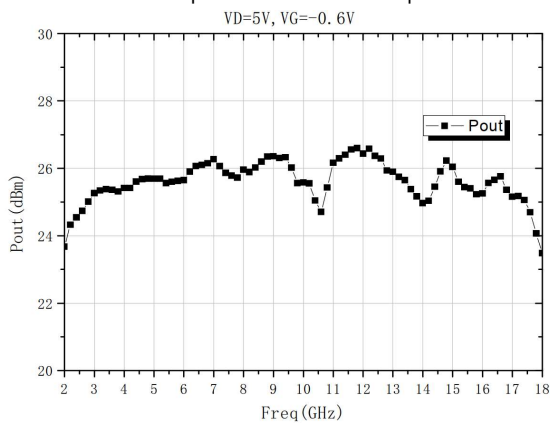
Gain vs. Freq



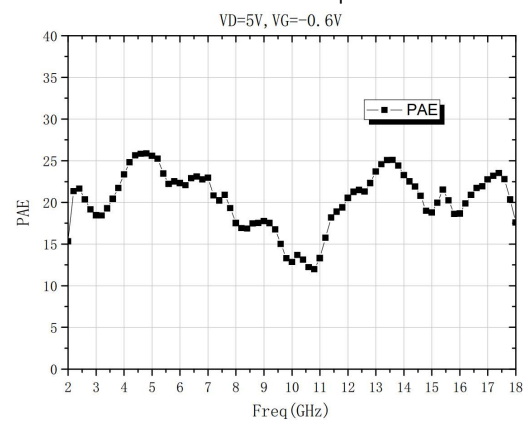
Input VSWR vs. Freq



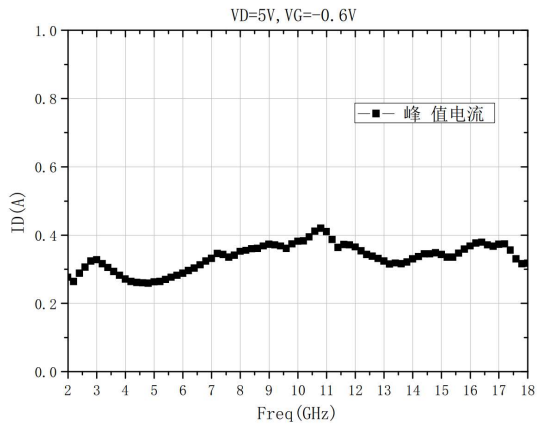
Output Power vs. Freq



PAE vs. Freq



Id vs. Freq



Absolute Max Ratings (TA=25°C)

Symbol	Parameter	Value	Remark
Vd	Drain Voltage	9V	
Id	Drain Current	1A	
Vg	Gate Voltage	-0.4V	
Ig	Gate Current	50mA	
Pd	DC Power Consumption	8W	
Pin	Input Power	16dBm	
Tch	Channel Temperature	150°C	
Tm	Mounting Temperature	270°C	1 min, N2 Protection
Tstg	Storage Temperature	-55~150°C	

Exceeding any one or combination of these limits may cause permanent damage.

