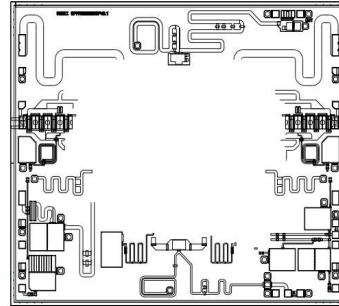


Performance

- Frequency: 2~6GHz
- Typical Signal Gain: 25dB
- Typical Pout: 44dBm@28V
- Typical PAE: 34%
- Bias: 28V, -1.4V
- Technology: 0.25um HEMT
- Mode: CW
- Size: 2.9*4.6mm*0.08mm

Function Diagram

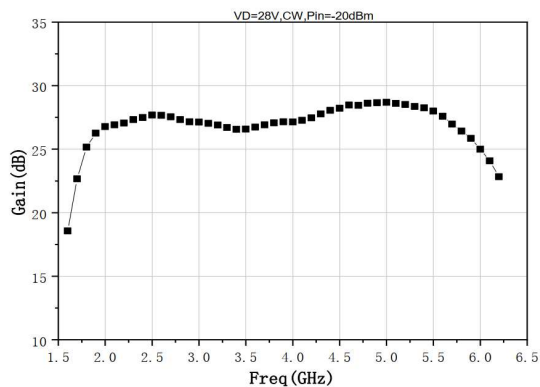


Electrical Specifications (TA=25°C, VD=28V, Idq=2.0A, F: 2.0~6.0GHz)

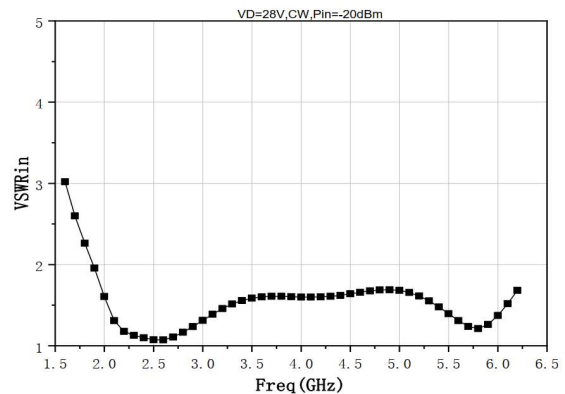
Symbol	Parameter	Min	Typical	Max	Unit
G	Small Signal Gain	-	26	-	dB
Gp	Power Gain	-	20	-	dB
Pout	Saturated Power	-	44	-	dBm
PAE	Power Added Efficiency	-	34	-	%

Test Curves

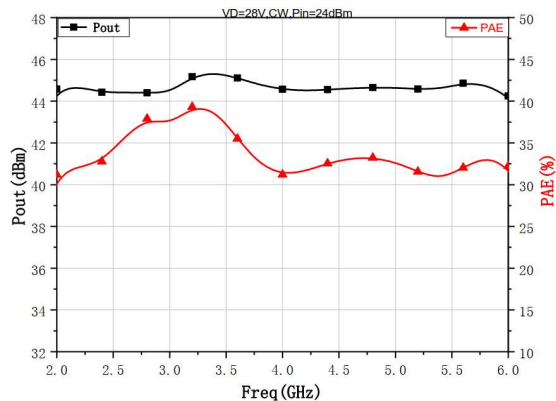
Small Signal Gain



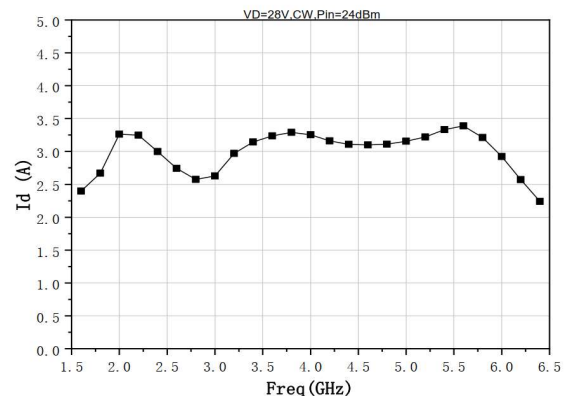
Input VSWR



Output Power & PAE



Drain Current



Absolute Max Ratings (T_A=25°C)

Symbol	Parameter	Value	Remark
V _d	Drain Voltage	32V	
I _d	Drain Current	3.8A	
V _g	Gate Voltage	-10V	
I _g	Gate Current	50mA	
P _d	DC Power	75W	
P _{in}	Input Power	28dBm	
T _{ch}	Channel Temperature	175°C	
T _m	Mounting Temperature	310°C	1 min, N ₂ Protection
T _{stg}	Storage Temperature	-55~175°C	

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

