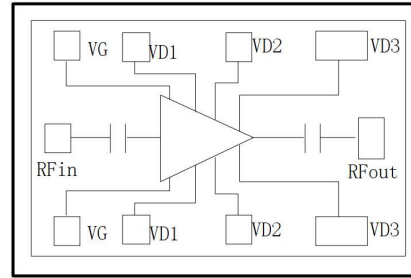


Performance

- Frequency: 26~40GHz
- Typical Small Signal Gain: 19dB
- Typical Pout: 35dBm@6V
- Typical PAE: 16%
- Typical operating current: 2.4A
- Bias: Vd=6V, Vg=-0.8V (Typ.)
- Technology: 0.15 PHEMT
- Size: 3.2*4.25mm*0.05mm

Function Diagram

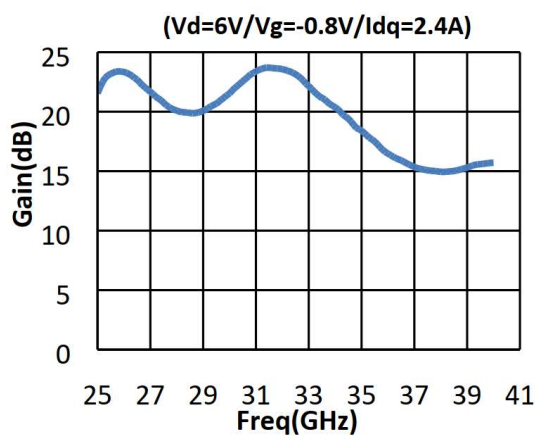


Electrical Specifications (Vd=6V, Idq=2.4A, Freq=26-40GHz)

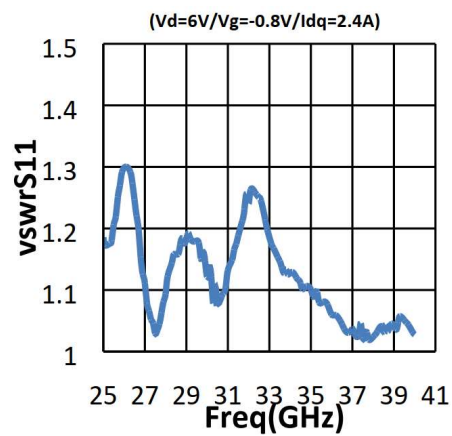
Symbol	Parameter	Min	Typical	Max	Unit
G	Small Signal Gain	-	19	-	dB
Gp	Large Signal Gain	-	12	-	dB
Pout	Saturated Output Power	-	35	-	dBm
PAE	Power Added Efficiency	-	16	-	%

Test Curves

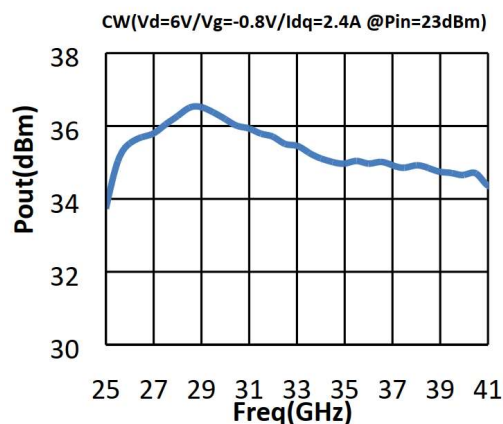
Small Signal Gain vs. Freq



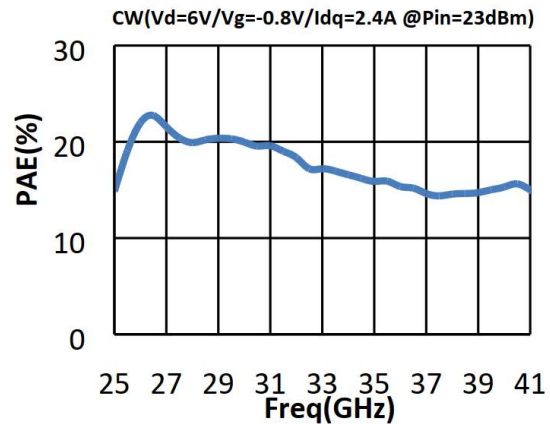
Input VSWR vs. Freq

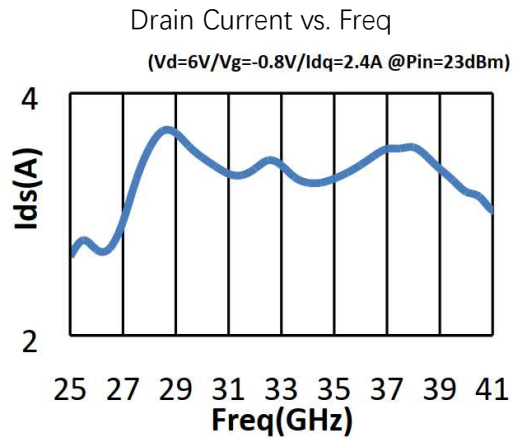


Saturated Power vs. Freq



PAE vs. Freq





Absolute Max Ratings (TA=25°C)

Symbol	Parameter	Value	Remark
Vd	Drain Voltage	7V	
Id	Drain Current	3.5A	
Vg	Gate Voltage	-2V	
Ig	Gate Current	100mA	
Pd	DC Power Consumption	21W	
Pin	Input Power	27dBm	
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.

