

Performance

- Frequency: 9.5-11GHz
- Gain: 8dB
- Output Power: 50dBm (Typ.)
- PAE: 35% (Typ.)
- Bias: 28V/-3.0V/1.0A
- Hermetically Sealed Package
- Size: 24.0*17.4*4.4mm

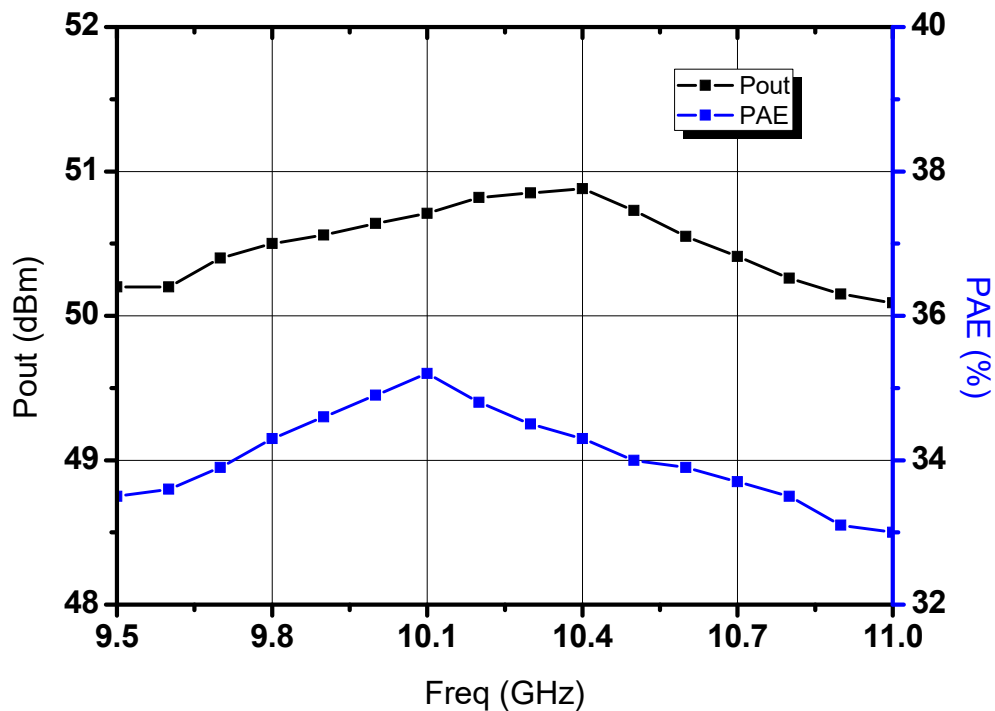


Electrical Specifications (Ta=+25°C, 50Ω system)

Symbol	Parameter	Test Condition	Min	Typical	Max	Unit
P _{out}	Output Power	V _d =28V, I _d =1.0A Freq: 9.5-11GHz 100us, 10% D.C		50	-	dBm
G _p	Power Gain		-	8	-	dB
η _{add}	Power Added Efficiency		-	35	-	%
ΔG _p	Gain Flatness		-	-	1	dB

Test Curves (Ta=+25°C)

Output Power and PAE

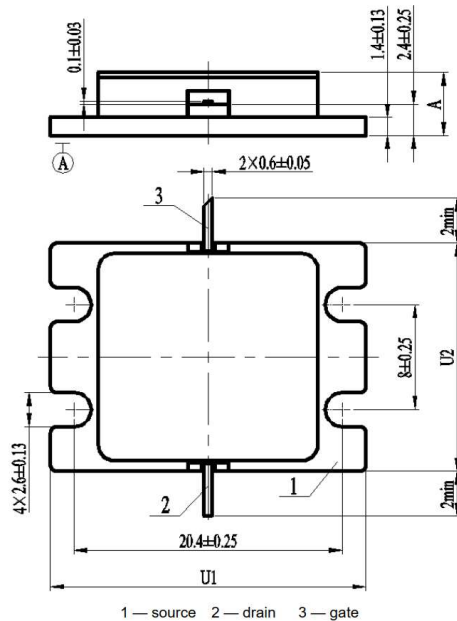


Absolute Max Ratings (T_A=25°C)

Symbol	Parameter	Value	Remark
V _{ds}	Drain Bias Voltage	32V	
V _{gs}	Gate Bias Voltage	-5V	
P _d	DC Power Consumption	125W	25°C
T _{ch}	Channel Temperature	225°C	
T _m	Sintering Temperature	300°C	1min, N ₂ protection
T _{stg}	Storage Temperature	-55~175°C	

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

Outline Size



Symbol	Min	Max
U1	23.8	24.2
U2	17.2	17.6
A		5.2