

Power Amplifier Module

Product Features

- Frequency: 26-40GHz
- Psat: 40dBm@19%PAE
- Small Signal Gain: 18dB
- DC: 22V@0.77A



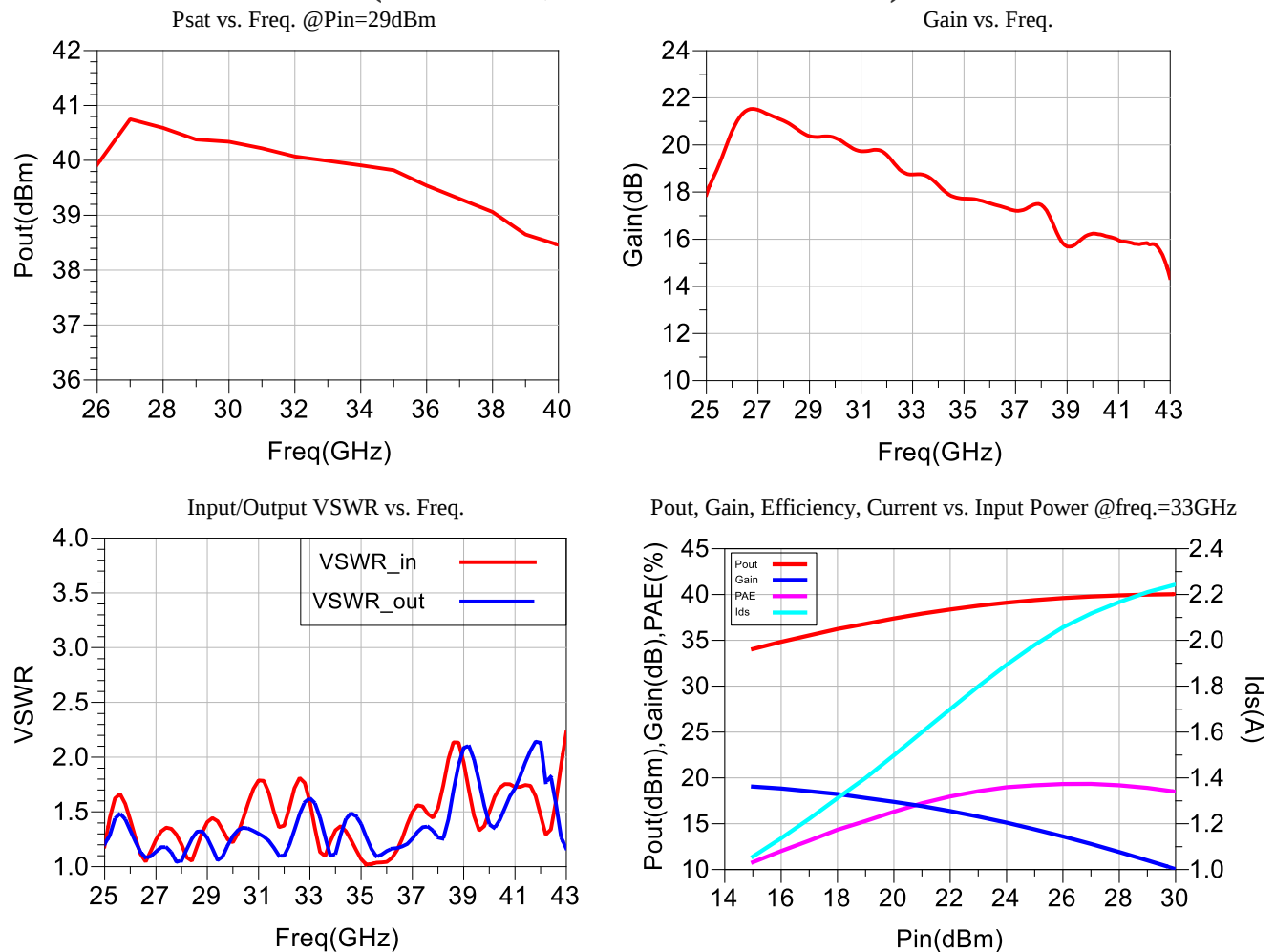
Electrical Specs(V=+22V, I=0.77A, T_A=25°C):

Parameter	Minimum	Typical	Maximum
Frequency Range(GHz)	26		40
Small Signal Gain(dB)	16.4	18	22
Psat(dBm)		40	
PAE(%)		19	
Input Power(dBm)		29	33
Input VSWR		1.7	2.1
Output VSWR		1.6	2.1
DC Power Supply (drain, V)		+22	+26
DC Power Supply (gate, V)		-2	-5
Saturation Current (A)			2.5
Operating Temperature(°C)	-55	25	85
Storage Temperature(°C)	5		35

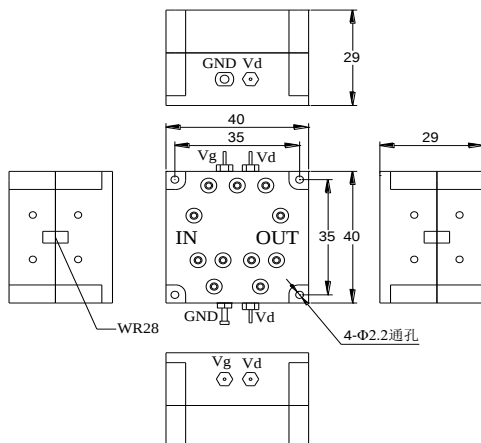
Mechanical Specs:

Item	Specification
Input, IN	WR28 Waveguide with UG-599/U Flange
Output	WR28 Waveguide with UG-599/U Flange
Size (W×L×H)	40mm×40mm×29mm; Tolerance: ±0.1mm

Measured Performance(TA=+25℃, Vd=22V, Id=770mA):



Mechanical Outline:



Symbol	Function
IN	RF input, WR28 waveguide
OUT	RF output, WR28 waveguide
Vd	Drain Voltage Terminal
Vg	Gate Voltage Terminal
GND	Grounding

Notes:

1. Electrostatic protection: Please strictly comply with ESD protection requirements to avoid electrostatic damage;
2. Please keep heat dissipation when using the module;
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.