

Medium Solid State Power Amplifier, Ultra Broadband 2-6GHz, 50dB Gain, SMA-Female Connectors, 50 Watts

Features:

- 2GHz~6GHz ultra-broadband
- High efficiency
- High reliability and ruggedness
- Good linearity, Low distortion
- Applications: Test & Measurement, Broadcasting, Communication, etc

5 Year Warranty



Heatsink required

Our 2~6GHz amplifier is a completely solid state microwave power amplifier module which features high efficiency, high output power and wide dynamic range. It uses advanced microwave device technology and provides high reliability and ruggedness product for our customer. It has the function of over current and over temperature protection to guarantee the safety of working in various harsh conditions

This amplifier module based on GaN technology provides high gain, high output power, wide dynamic range, and good linearity.

Order Examples: RAMP-2-6-50d-28v-Sf-50W-L21

Description: (Solid state Power Amplifier, 2-6 GHz, 50 dB Gain, 28 Volts, SMA-Female Connectors, 50 Watts)

Specifications		Units
Frequency Response	2-6	GHz
Power Gain (nominal)	50	dB
Gain Flatness	±3	dB
Gain Flatness via Temperature	2	dB
Saturated Output Power	+48	dBm (nominal)
Efficiency@ Sat Output Power	15	%
Output VSWR	2 : 1	(max)
Output VSWR	2 : 1	(nominal)
Harmonic Distortion	-15	dBc
Spurious Signals	-60	dBc
Voltage	+28	VDC
Current	7	Amps
Output Power	50	Watts
Operating Temperature	0 to 50	°C
Non-Operating Temperature	-40 to 70	°C

Specifications		Units
Dimensions W x H x D	5.0" x 1.0" x 3.0"	Inch
RF Input & Output	SMA-Female	



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Customization Options:

Module Integration
Gain
Output Power
Dimensions
Interface