

Medium Solid State Power Amplifier, Ultra Broadband 2-6GHz, 50dB Gain, N-Female Connectors, 70 Watts

Features:

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



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.

Compared with the TWT technology, this product does not require high voltage power supply system, resulting in higher reliability.

Order Examples: RAMP-2-6-50d-28v-Nf-70W-w20

Description: (Solid state Power Amplifier, 2-6 GHz, 50 dB Gain, 28 Volts, N-Female Connectors, 70 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
Output Power	70	Watts
Operating Temperature	0 to 50	°C
Non-Operating Temperature	-40 to 70	°C

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Specifications		Units
Dimensions W x H x D	167.64 x 147.32 x 25.4	mm
Weight	11	Grams
RF Input & Output	N-Female	
Customization Options: Module Integration Gain Output Power Dimensions Interface		