

Solid State Power Amplifier, Ultra Broadband

4-11GHz, 45, 47 & 50dB Gain, N-Female Connectors, 30-100 Watts

Features:

- 4GHz~11GHz ultra-broadband
- High efficiency
- High reliability and ruggedness
- Good linearity, Low distortion
- Applications: Test & Measurement, Broadcasting, Communication, etc



Our 4~11GHz 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-4-11-45d-28v-Nf-30W-w20

Description: (Solid state Power Amplifier, 4-11 GHz, 45 dB Gain, 28 Volts, N-Female Connectors, 30 Watts)

Specifications					Units
Frequency Response	4-11				GHz
Power Gain (nominal)	45	47	50	50	dB
Gain Flatness	±3				dB
Gain Flatness via Temperature	2				dB
Saturated Output Power	+45	+47	+48	+50	dBm (nominal)
Efficiency@ Sat Output Power	20	15	15	15	%
Output VSWR	2 : 1				(max)
Output VSWR	2 : 1				(nominal)
Harmonic Distortion	-15				dBc
Spurious Signals	-60				dBc
Voltage	+28				VDC
Output Power	30	50	70	100	Watts
Operating Temperature	0 to 50				°C
Non-Operating Temperature	-40 to 70				°C

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Specifications					Units
Model	30	50	70	100	Watts
Dimensions W x H x D	127.76 x 76.2 x 19.1		167.64 x 147.32 x 25.4		mm
Weight	0.5	0.5	0.7	1.0	Kg
Customization Options: Module Integration Gain Output Power Dimensions Interface					