

Power Amplifier Datasheet

PN:PA3200-3700MHz-100W

- Small size, Low power consumption, good stability;
- High linearity and Intermodulation;
- Shape structure can be customized
- Products can be developed according specification;
- Widely used in Radar, Navigation, Communication, EMC test and other Civil fields.



Technical Data

Parameters	
Frequency	3200MHz~3700MHz
Max output Power (CW)	$\geq 50 \pm 0.25$ dBm
Gain	≥ 48 dB (customized)
Gain flatness	$\leq 1 \pm 0.5$ dB
Input power range	$\leq 2 \pm 1$ dBm
Maximum input power	≤ 5 dBm
Temperature protection	>Over 80°C protection
PTT port	The amplifier is turned on by default.
VCC/Current reference	30V/10A
Working voltage	+28V~ +32V
Working current	$\leq 6-7.5$ A
Spurious	≤ -65 dBc
100W Harmonic	harmonics Worst point ≤ -30 dBc
Operating Temperature	-30°C~+55°C
RF Connector	SMA-JW
Power Supply Interface	DB7w2-7
Dimensions(mm)/Weight	$\leq 180 \times 75 \times 24.8$ mm (without connectors), ≤ 700 g
Installation method	Radiator shall be installed for power amplifier test
Package	1pcs/box

Outline Drawing

