

Module name:	1W-600MHz RF linear power amplifier module	Module model:	PA1W
Main features:	Countless controls		

● **RF indicators**

Test items	index	Remark	
a m p l i f i e r	Frequency range (MHz)	600 ± 15	Customized customer
	Output power (W)	≥ 1	No ALC control
	P_{1dB} Output power (W)	≥ 6	
	In-band group delay (ns)	≤ 50	
	Gain (dB)	40 ± 1.0	Customized by customer
	In-band fluctuations	$\leq 1dB$	(peak to peak)
	Input level (dBm)	-10 ± 1.0	Customized by customer
	Belt to shoulder ratio (dBc)	$\leq -35@1W$	
Power supply requirements	+12V~+17V Vdc		
Working current	$\leq 0.7A$		
Working temperature	$-20 \sim +70^{\circ}C$		
Interface Type	SMA-50KFD		
weight	26 grams		
Module volume (mm)	43*26*12mm	Does not include connectors	

● **Appearance and installation instructions**

1. Overall dimensions: 43*26*12 mm (excluding socket)
2. Interface form:
 - ① Power supply conditions: +12V power supply: core-through capacitor
 - ② RF input interface: SMA-50KFD
RF output interface: SMA-50KFD
3. Mounting hole diameter: 4 $\Phi 2.8$ through holes are left at the 4 mounting holes for installation.

