

### 固态宽带大功率放大器

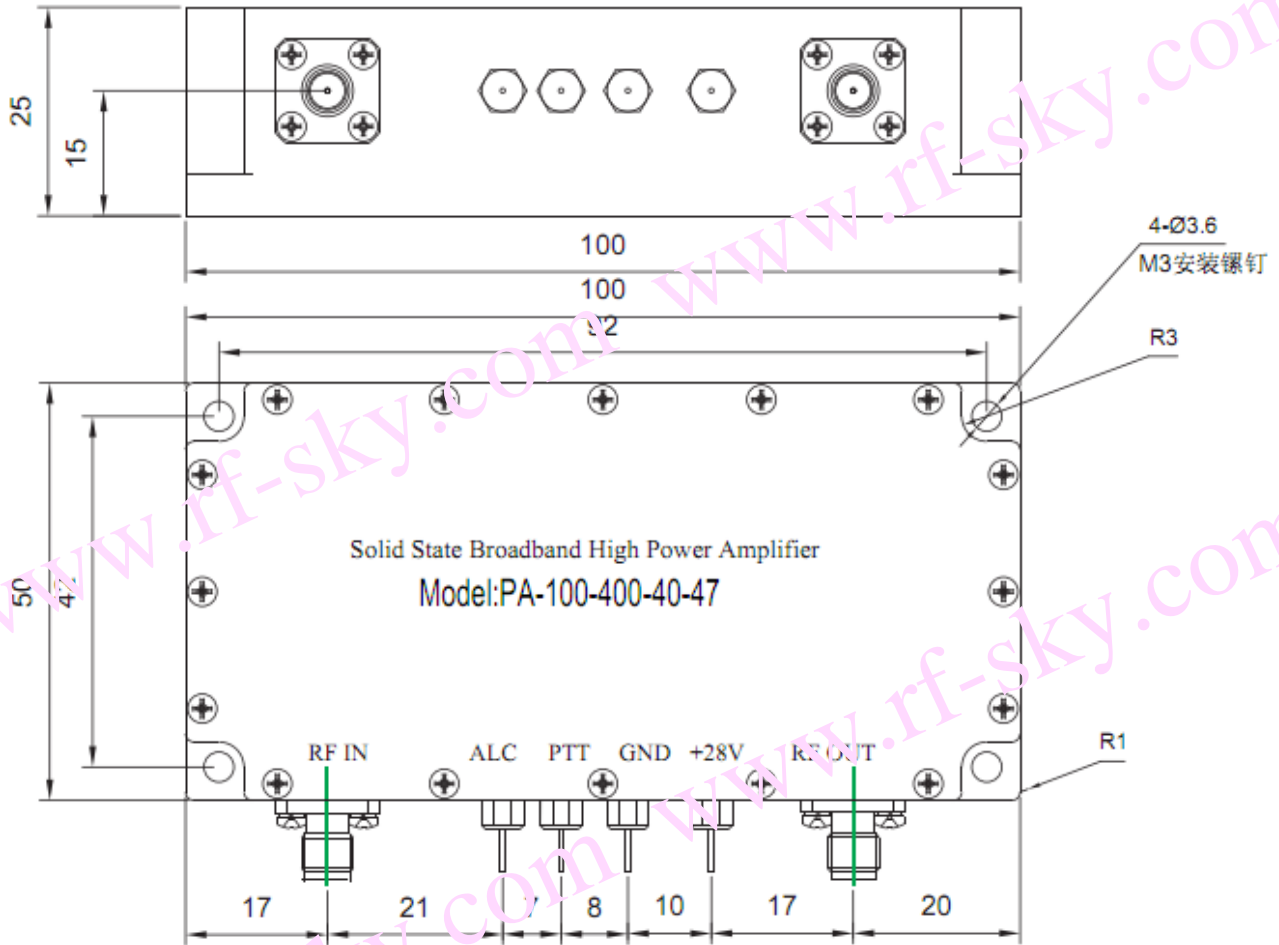
### Solid State Broadband High Power Amplifier Specification

(Model: PA-100-400-40-47)

参数 (Parameter)	符号 (Symbol)	最小 (Min)	典型 (Type)	最大 (Max)	单位 (Unit)
工作频段(Operating Frequency)	SW	100		400	MHz
输出功率(Power Output CW)	Psat	40			W
1dB 压缩点(Power Output @ 1dB)	P1dB	50			W
增益(Power Gain @ CW)	G1dB		47	55	dB
输入功率(Input Power)	Pin		0		dBm
自动电平控制电压(Auto Level Control Voltage)	V <sub>alc</sub>	-5	5	10	Volt
调制度(Modulation)	M	70	80	95	%
失真度(Distortion @ AM P <sub>c</sub> =60W)	r		5	8	%
增益平坦度(Small Signal Gain Flatness)	ΔG		±2.0	±2.5	dB
输入驻波比(Input VSWR)	S11		1.5:1		
三阶互调(Third order intermodulation @ CW)	IMD3		-25		dBc
奇次谐波(Harmonics @ CW)	H		-12		dBc
偶次谐波(Harmonics @ CW)	H		-15		dBc
噪声系数(Noise Figure)	NF		8	10	dB
杂散抑制(Spurious Signals)	Spur		-80	-60	dBc
工作电压(Operating Voltage)	VDC	18	28	34	Volt
工作电流(Current Consumption @ P <sub>o</sub> =20W)	I <sub>D</sub>		5	6	Amp
工作温度(Operating Temperature)	T <sub>c</sub>	-55		+70	°C
储存温度(Non-operating Temperature)	T <sub>stg</sub>	-60		+80	°C
外形尺寸(Outline Drawing)	L*W*H	100	50	25	mm

技术指标 Electrical Specifications @ T=25°C, VDD=+28VDC; 50Ω System





该模块需要外加散热器

**Note: External heatsink is needed in this module.**