

Features

- ◆ Broadband Power Amplifier
- ◆ Class AB design
- ◆ Built-in protection circuits
- ◆ High reliability and ruggedness
- ◆ 50 ohm input/output impedance

Applications

- ◆ Test Equipment
- ◆ Communication Systems



Electrical Specifications: 50Ω, 25°C

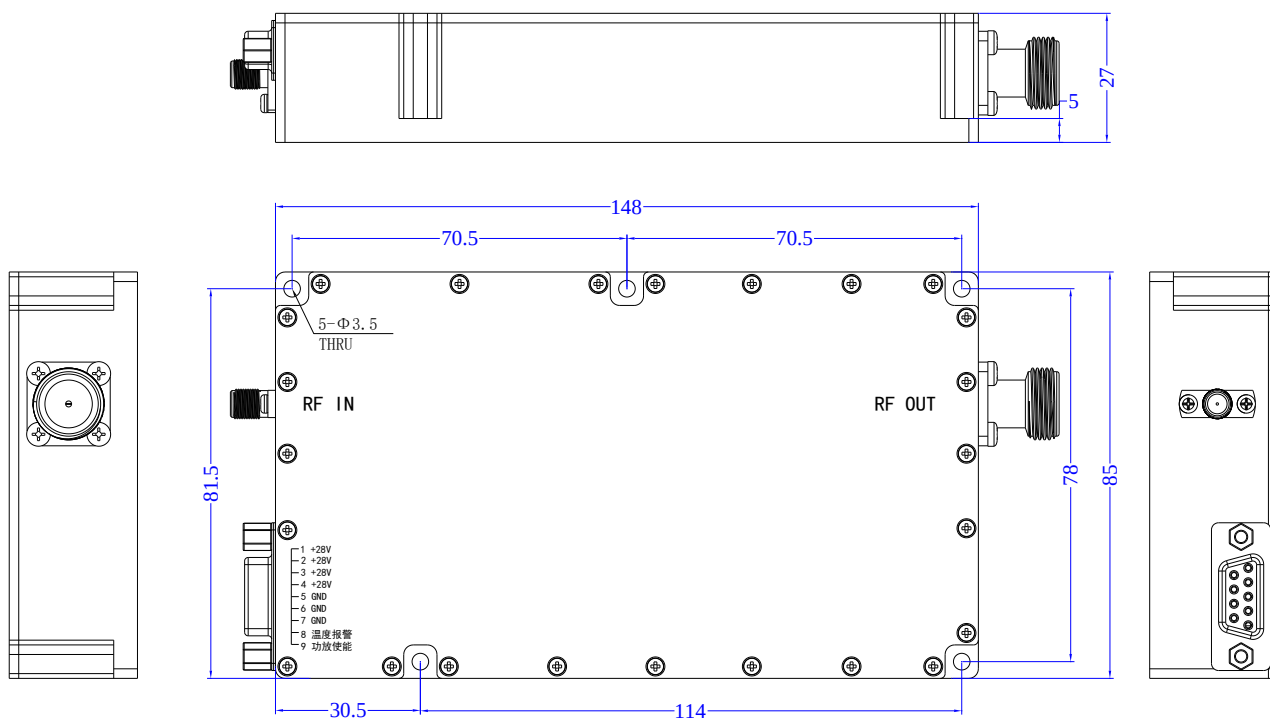
Parameter	Min	Typ	Max	Units
Operating Frequency	4		8	GHz
RF Power Output CW	49	50		dBm
Output Power for 1 dB Compression (P1dB)		46		dBm
Gain	47	50		dB
Gain Flatness		±2	±3	dB
Input VSWR		1.5	2.5	:1
Harmonics		-15		dBc
Spurious			-60	dBc
Supply Voltage	26	28	30	V
Supply Current(VCC=28V)		3	13	A
Input RF drive level without damage			+5	dBm

Environmental Specifications

Operating Case Temperature	-30°C to +80°C
Storage Temperature	-50°C to +105°C

Mechanical Specifications

Dimensions (Excluding Connectors)	148 X 85 X 27 mm
RF Connectors	RF IN:SMA-Female RF OUT:N-Female
DC Interface Connector	D-SUB-9
Weight	1.1kg
Cooling	Forced air required (Option)



直流供电连接器 D-sub, 9-Pin, Female

引脚编号	标识	类型	功能详细说明
1	+28V	供电	+26.0-30.0VDC
2	+28V	供电	+26.0-30.0VDC
3	+28V	供电	+26.0-30.0VDC
4	+28V	供电	+26.0-30.0VDC
5	GND	供电	GND
6	GND	供电	GND
7	GND	供电	GND
8	超温报警	输出	当温度超过85℃时，功放自动关闭，此引脚输出为高电平。温度降低到80℃时，功放自动开启，此引脚为低电平。
9	功放使能	输入	高电平5V开启功放，低电平或悬空关闭功放。

