

## 20MHz-1.0GHz, Gain:43dB, Psat:43dBm

### Feature:

- Wide Band: 20MHz-1GHz
- Gain: 43dB Min
- Psat Output Power: 43 dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

### 电气特性 Electrical Specifications:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	0.02-1.0			GHz
增益 Gain	43	45		dB
增益平坦度 Gain Flatness		±2	±3	dB
线性输出功率P1dB		41		dBm
饱和输出功率Psat	43	44		dBm
谐波抑制 Harmonics		10		dBc
输入驻波 Input VSWR		1.5	2.0	:1
直流电压 DC Voltage		28	30	V DC
直流电流 DC Supply Current		1	5	A
阻抗 Impedance	50			Ohms

### 机械特性 Mechanical Specifications:

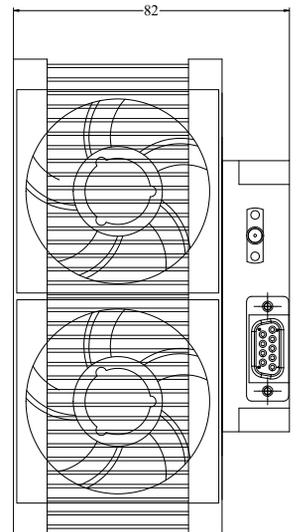
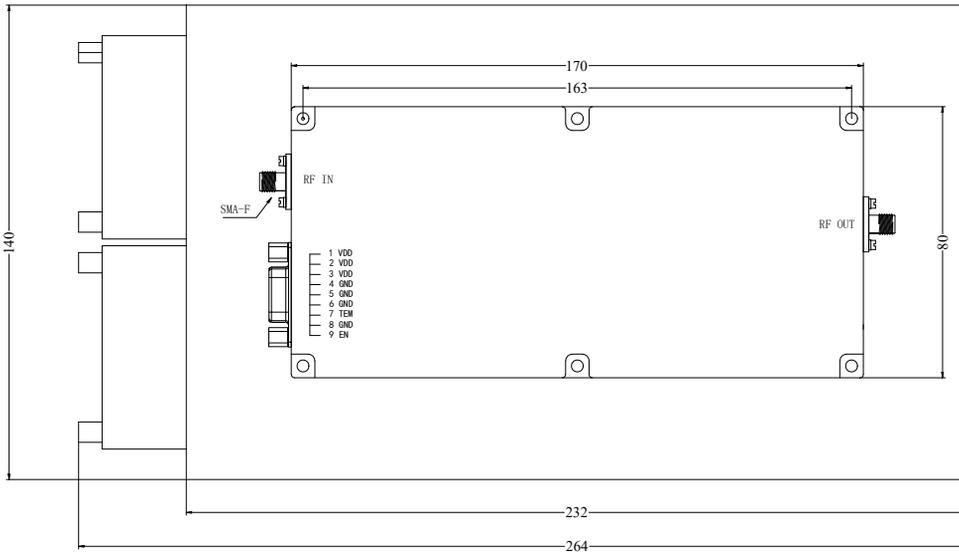
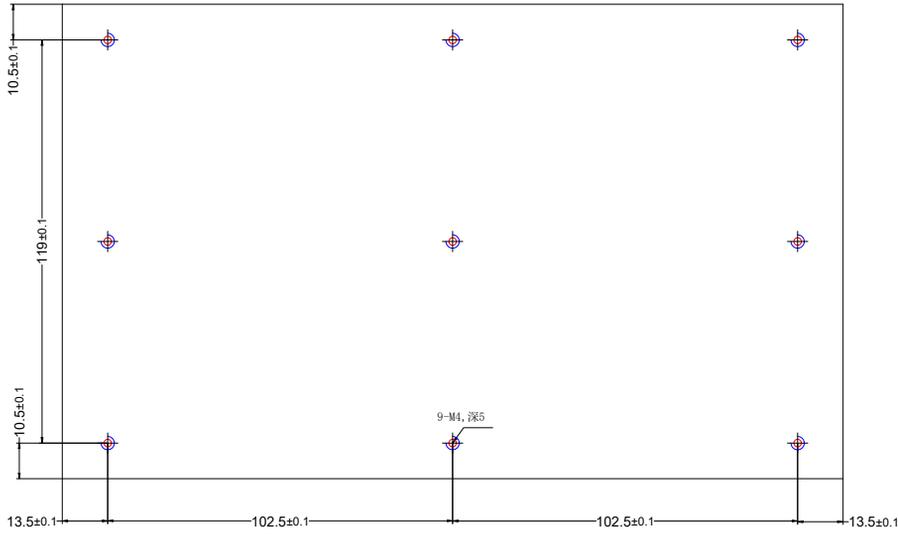
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female	
直流偏置 Bias	D-SUB-9	
尺寸 Size	170X80X20	mm
重量 Weight	200	g



### 绝对最大值 Absolute Maximum Ratings:

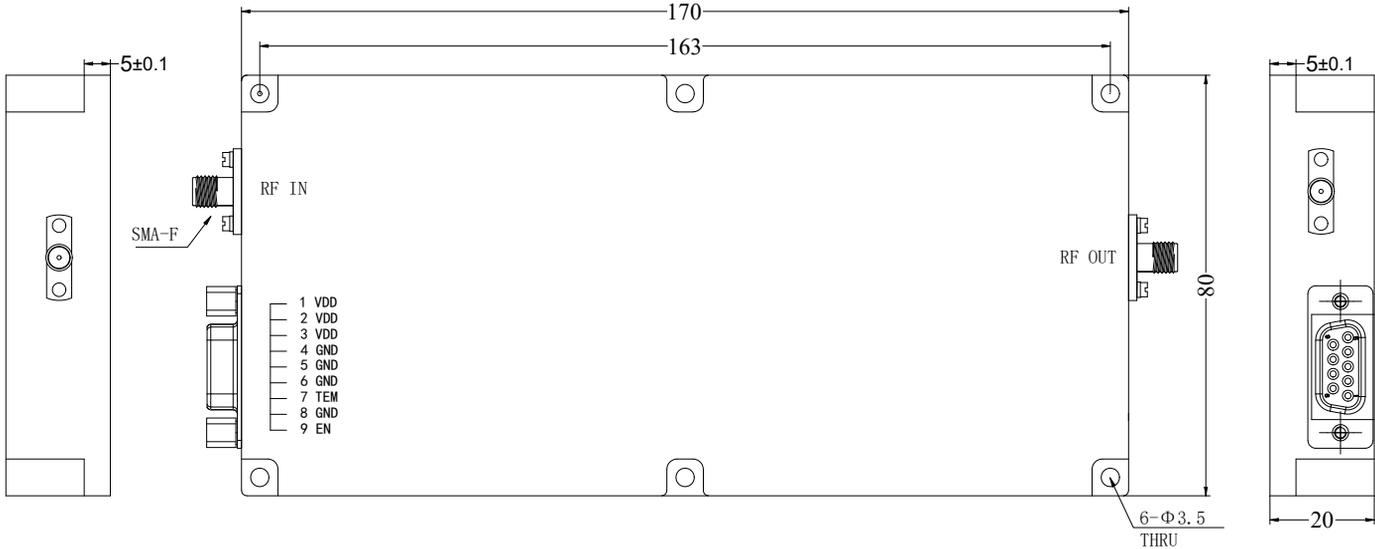
参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	30

Unit: mm



风扇供电 Fans Supply Current: 0.4A@24V

Unit: mm



### \*\*\*Heat Sink Required During Operation



OBSERVE PRECAUTIONS  
 ELECTROSTATIC SENSITIVE  
 DEVICES

#### 温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	30,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

#### 订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
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