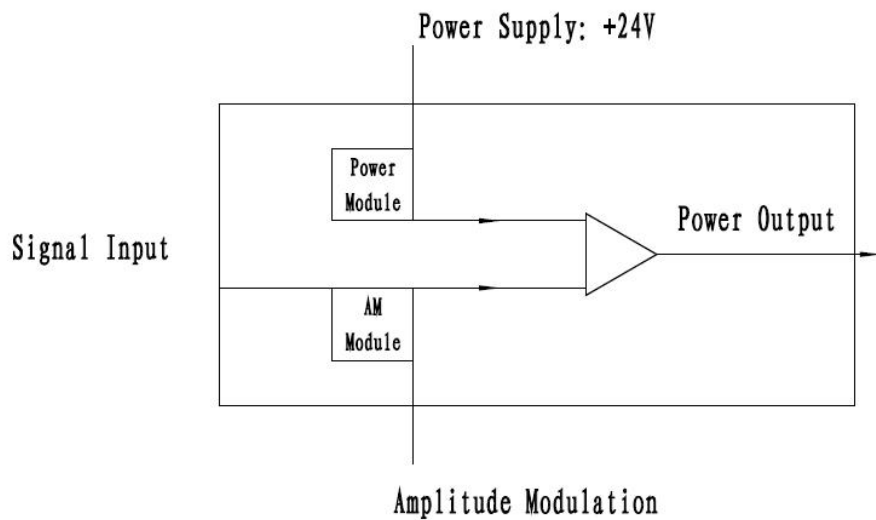


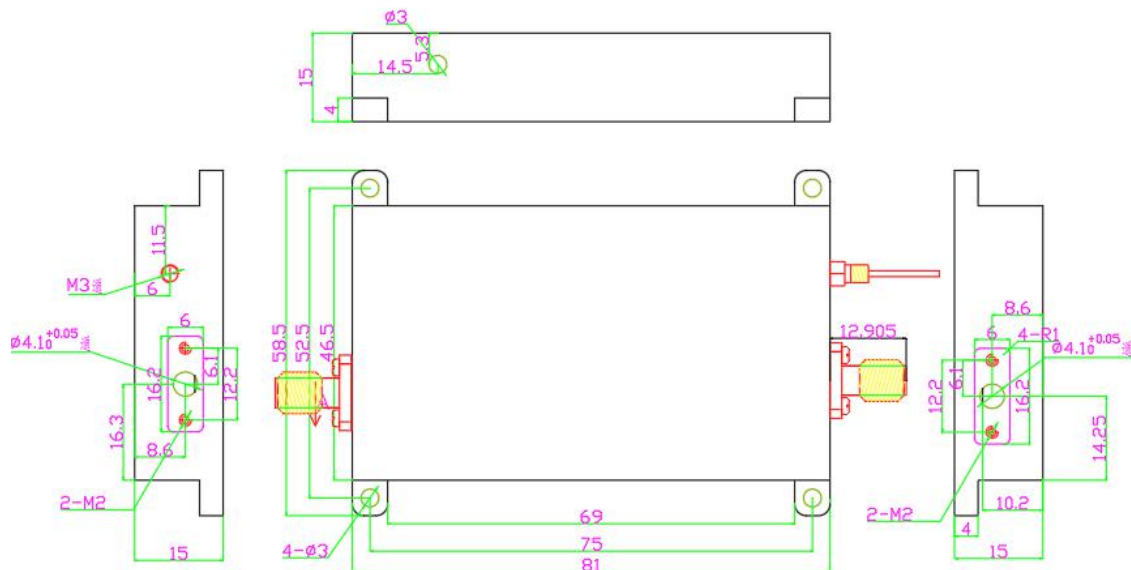
RF Signal Amplifier

◆ Product Description

SMA-010-300-2W-24V-C is a product specially used to amplify signal sources of 10MHz-300MHz. The product can provide up to 3W amplified RF power, and the standby power consumption of the product is as low as 0 W.



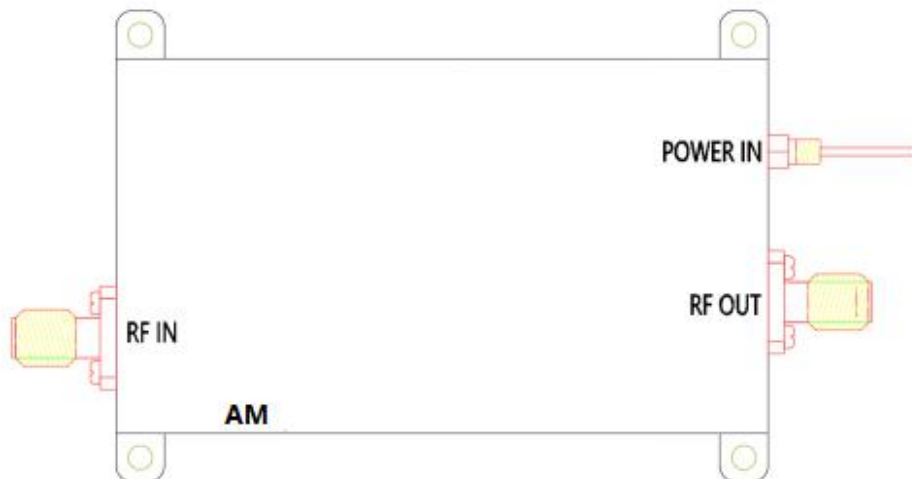
◆ Mechanical Dimensions



◆ **Product Parameter**

Signal Amplifier Input Interface					
Item	Parameter	Unit	Min	Typ	Max
1	Signal Input Frequency	MHz	10		300
2	Signal Input Mode	-	Standard Sine Wave Signal		
3	Signal Input Amplitude	dBm	0		5
4	Signal Input Impedance	ohm	50		
5	Signal Input Interface	Modlation IN	SMA(female)		
Signal Amplifier Output Interface					
Item	Parameter	Unit	Min	Typ	Max
1	Signal Output Frequency	MHz	10		300
3	Signal Output Amplitude	W	2		2.5
4	Signal Output Impedance	ohm	50		
5	Signal Output Interface	RF OUT	SMA(female)		
6	Output Standing Wave Ratio	VSWR	1.1		1.4
Main Specification					
Item	Parameter	Unit	Min	Typ	Max
1	Supply Voltage	VCC	23	24	25
2	Power Connector	POWER IN	M3-100VDC-102Z		
3	Power Consumption	0%	W	2	
		100%		8	
4	Operation Temp.	°C	0		75
	Storage Temp.	°C	-20		80
	Operation Humidity	%	10		90

◆ **Schematic diagram**



◆ Instructions for use

1. Use a 50 ohm coaxial cable to connect the product RF-OUT to AOM (or load);
2. Use a 50 ohm coaxial cable to connect the signal source to RF-IN;
3. Connect the 24V power supply to POWERIN, make sure the positive and negative connections of the power supply are correct;
4. Check whether the connection line is incorrectly connected, and after ensuring that it is correct, the product will work normally after power-on.

◆ Precautions

1. Before use, ensure that the product is correctly connected before powering on;
2. Ensure that the adjustment of various signals is within the specification range;
3. For other needs and assistance, please contact us.