

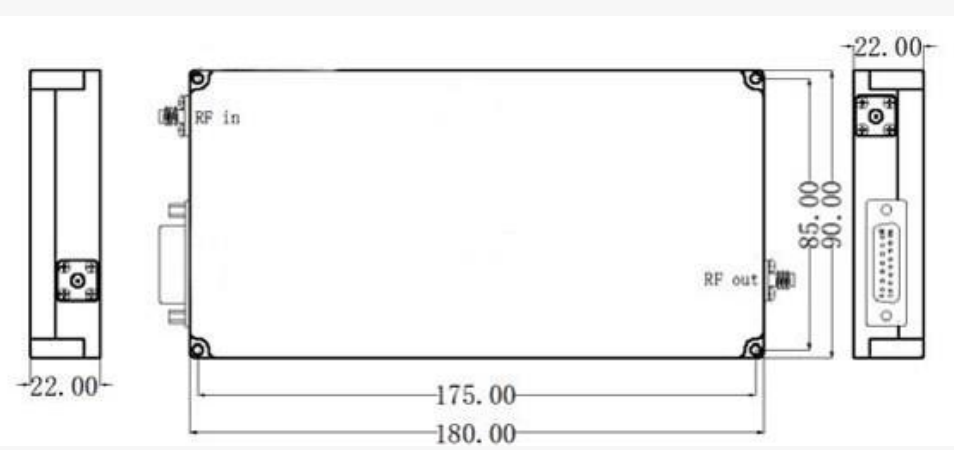
Technical Specifications

0.5-100MHz 50W Power Amplifier Modules		
1	Model	SL-PA-05M100-50
2	Frequency Range	0.5-100MHz
3	Psat	≥50W
4	Gain	45dB typ.
5	Gain Flatness	± 2dB
6	Input/output Impedance	50ohms
7	Input VSWR	2:1
8	Harmonic	15dBc typ.
9	Spurious	70dBc typ.
10	DC Voltage	+28VDC
11	Power Consumption	4.5A max.
12	RF Interface	SMA-F
13	Power Interface	Feed Through
14	Cooling	External cooling system is required(not supplied)
15	Dimension	150*100*25mm
16	Weight	TBD
17	Operating temp.	-40~+65Deg.C
18	Storage temp.	-50~+80Deg.C
19	Protections	Voltage Overload: 32V max Thermal Overload: 85 Deg.C max VSWR Overload: 5:1 Power Overload: Optional
Outline		

Remark: Final Outline might be different upon design or customer' s r e q u i r e m e n t .

0.5-100MHz 100W Power Amplifier Modules		
1	Model	SL-PA-05M100-100
2	Frequency Range	0.5-100MHz
3	Psat	≥100W
4	Gain	50dB typ.
5	Gain Flatness	±1.5dB typ.
6	Input/output Impedance	50ohms
7	Input VSWR	2:1 typ.
8	Harmonic	15dBc typ.
9	Spurious	≥ 70 dBc
10	DC Voltage	+28VDC
11	Power Consumption	9.5A max.
12	RF Interface	SMA-F
13	Power Interface	Feed Through
14	Cooling	External cooling system is required(not supplied)
15	Dimension	150*100*25mm
16	Weight	TBD
17	Operating temp.	-40~+65Deg.C
18	Storage temp.	-50~+80Deg.C
19	Protections	Voltage Overload: 32V max Thermal Overload: 85 Deg.C max VSWR Overload: 5:1 Power Overload: Optional
Outline		

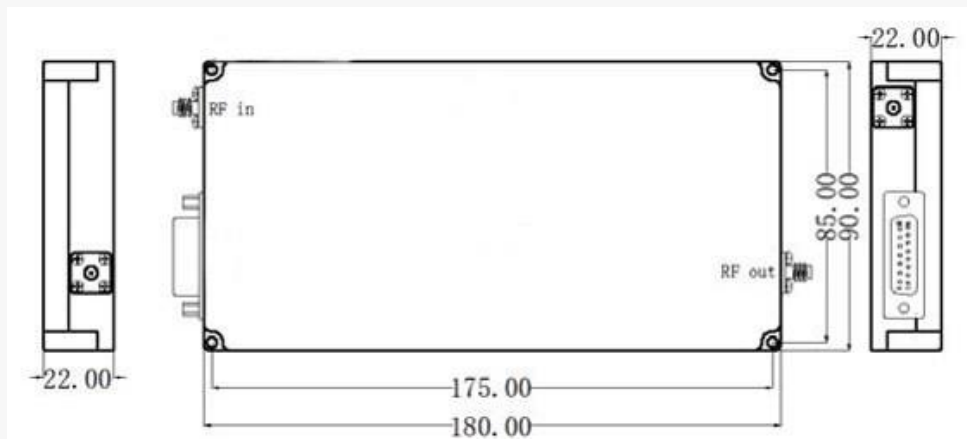
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0.1-1.0GHz 50W Power Amplifier Modules		
1	Model	SL-PA-01G010-50
2	Frequency Range	0.1-1.0GHz
3	Psat	50W typ.
4	Small Signal Gain	42dB typ.
5	Gain Flatness	± 2 dB
6	Input/output Impedance	50ohms
7	Input VSWR	2:1
8	Harmonic	≥ 10 dBc
9	Spurious	≥ 65 dBc
10	DC Voltage	28VDC
11	Power Consumption	6A
12	RF Interface	SMA-F
13	Power Interface	DB-15
14	Cooling	External cooling system is required(not supplied)
15	Dimension	180*90*22mm
16	Weight	TBD
17	Operating temp.	-25~+55Deg.C
18	Storage temp.	-30~+80Deg.C
19	Protections	Thermal Overload: 85 Deg.C max VSWR Overload: 5:1 Power Overload: 8A RFin-max Overload: 10dBm
Outline		
 <p>The technical drawing shows the physical dimensions of the power amplifier module. The main body is a rectangle with a width of 180.00 mm and a height of 90.00 mm. The RF input (RF in) is located at the top-left corner, and the RF output (RF out) is at the bottom-right corner. The module has a total height of 112.00 mm, including the SMA-F connector on the left and the DB-15 connector on the right, both of which are 22.00 mm high. The distance between the centers of the RF ports is 175.00 mm.</p>		

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0.1-1.0GHz 100W Power Amplifier Modules		
1	Model	SL-PA-01G010-100
2	Frequency Range	0.1-1.0GHz
3	Psat	≥100W
4	Gain	45dB typ.
5	Gain Flatness	±2dB typ.
6	Input/output Impedance	50ohms
7	Input VSWR	2:1
8	Harmonic	10dBc typ.
9	Spurious	70dBc typ.
10	DC Voltage	+40VDC
11	Power Consumption	8A typ.
12	RF Interface	SMA-F
13	Power Interface	DB-15
14	Cooling	External cooling system is required(not supplied)
15	Dimension	180*90*22mm
16	Weight	TBD
17	Operating temp.	-25~+55Deg.C
18	Storage temp.	-30~+80Deg.C
19	Protections	Thermal Overload: 85 Deg.C max VSWR Overload: Open/Short RFin-max Overload: 10dBm

Outline

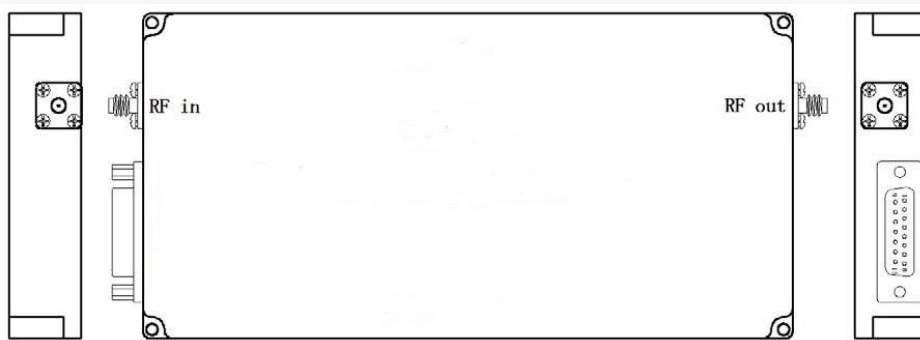


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1.0-3.0GHz 50W Power Amplifier Modules

1	Model	SL-PA-010G030-50
2	Frequency Range	1.0-3.0GHz
3	Psat	≥50W
4	Gain	47dB typ.
5	Gain Flatness	±2dB typ.
6	Input/output Impedance	50ohms
7	Input VSWR	2:1
8	Harmonic	15dBc typ.
9	Spurious	70dBc typ.
10	DC Voltage	+28VDC
11	Power Consumption	8A typ.
12	RF Interface	SMA-F
13	Power Interface	DB-15
14	Cooling	External cooling system is required(not supplied)
15	Dimension	200*100*25mm
16	Weight	TBD
17	Operating temp.	-40~+65Deg.C
18	Storage temp.	-50~+80Deg.C
19	Protections	Voltage Overload: 32V max Thermal Overload: 85 Deg.C max VSWR Overload: 5:1 Power Overload: Optional

Outline



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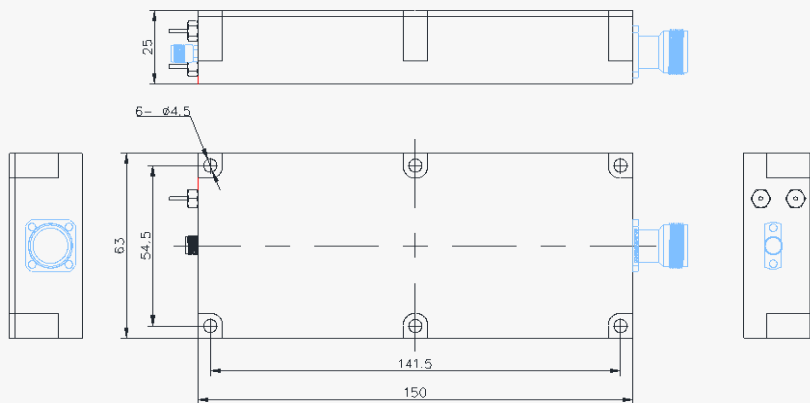
1.0-3.0GHz 100W Power Amplifier Modules		
1	Model	SL-PA-010G030-100
2	Frequency Range	1.0-3.0GHz
3	Psat	≥100W
4	Gain	50dB typ.
5	Gain Flatness	±2dB typ.
6	Input/output Impedance	50ohms
7	Input VSWR	2:1
8	Harmonic	15dBc typ.
9	Spurious	70dBc typ
10	DC Voltage	+28VDC
11	Power Consumption	16A typ.
12	RF Interface	SMA-F
13	Power Interface	DB-15
14	Cooling	External cooling system is required(not supplied)
15	Dimension	200*100*25mm
16	Weight	TBD
17	Operating temp.	-40~+65Deg.C
18	Storage temp.	-50~+80Deg.C
19	Protections	Voltage Overload: 32V max Thermal Overload: 85 Deg.C max VSWR Overload: 5:1 Power Overload: Optional
Outline		

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2.0-6.0GHz 50W Power Amplifier Modules

1	Model	SL-PA-020G060-50
2	Frequency Range	2.0-6.0GHz
3	Psat	≥50W
4	Gain	≥47dB
5	Gain Flatness	±3.5dB
6	Input/output Impedance	50ohms
7	Input VSWR	2:1
8	Harmonic	≥10dBc
9	Spurious	≥60dBc
10	DC Voltage	+28VDC
11	Power Consumption	9A max.
12	RF Interface	SMA-F
13	Power Interface	Feed Through
14	Cooling	External cooling system is required(not supplied)
15	Dimension	150*63*25mm
16	Weight	0.8KG
17	Operating temp.	-20~+60 Deg. C
18	Operating Altitude	-20~+75 Deg. C
19	Protections	Voltage Overload: 32V max Thermal Overload: 85 Deg.C max VSWR Overload: 5:1 Power Overload: Optional

Outline



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