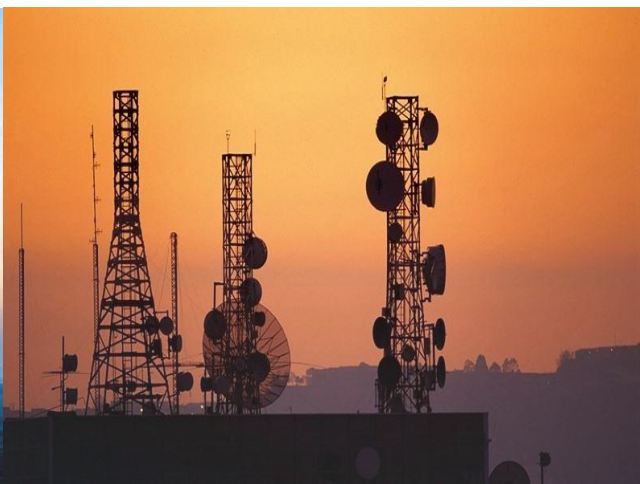




Solid State Power Amplifier Introduction

2020





Up to 6GHz Amplifiers

Frequency Range(MHz)	Psat(W)	Gain(dB)	Gain Flatness(dB)	Protection	Voltage(V)	Dynamic Current(A)
1~150	100	45	± 2	Optional	+28	9
20~520	100	45	± 2	Optional	+28	8
20~950	50	42	± 2	Optional	+28	6
100~950	50	42	± 2	Optional	+28	6
500~950	100	45	± 2	Optional	+28	9
100~1000	100	45	± 2	Optional	+40	8
500~1500	100	45	± 2	Optional	+32	10
500~2500	25	40	± 2	Optional	+36	3
500~2500	50	42	± 2	Optional	+28	9
1100~2900	25	40	± 2	Optional	+28	4
1100~2900	50	42	± 2	Optional	+40	7
2500~6000	25	40	± 2	Optional	+28	4
2500~6000	50	42	± 2	Optional	+28	10



Note : Many more solutions available in different frequencies and power levels, please ask for inquiry.



Up to 6GHz Amplifiers

Customized Amplifiers

Frequency Range(MHz)	Psat(W)	Gain(dB)	Gain Flatness(dB)	Protection	Voltage(V)	Dynamic Current(A)
1.6~30	150	50	±1	Optional	+28	15
1.6~30	250	50	±1	Optional	+48	15
1.6~30	500	57	±2	Optional	+48	25
30~88	100	50	±1	Optional	+28	8.5
30~88	500	50	±1	Optional	+48	30
0.5~100	100	50	±1.5	Optional	+28	9.5
0.5~100	200	50	±1.5	Optional	+28	18
118~137	200	53	±0.5	Optional	+28	15
108~175	250	50	±1	Optional	+28	22
1~200	100	45	±1.5	Optional	+28	11
10~500	150	50	±1.5	Optional	+28	18
30~512	100	50	±1.5	Optional	+28	10
30~512	200	50	±1.5	Optional	+28	22
225~400	250	50	±1	Optional	+28	24
100~500	500	57	±2	Optional	+48	25
470~860	150	50	±2	Optional	+28	15
100~1000	100	50	±2	Optional	+48	9
500~1000	500	57	±2	Optional	+48	28
500~1500	200	53	±2	Optional	+32	16.5
1000~2000	100	47	±2	Optional	+28	8
1000~3000	100	50	±2	Optional	+28	16
2500~6000	50	47	±2	Optional	+28	14
4000~6000	50	47	±2	Optional	+28	9



Note : Many more solutions available in different frequencies and power levels, please ask for inquiry.



Up to 6GHz Amplifiers



2GHz~6GHz 100W

- Input signal: pulsed and CW compatible
- Application: test & measurement(-40~+50°C)
- Psat.: $\geq 53\text{dBm}$
- Gain: $\geq 65\text{dB}$
- Small signal gain: $\geq 80\text{dB} \pm 1.5\text{dB}$
- Power efficiency: $\geq 20\%$
- ALC accuracy: $\pm 0.5\text{dB}$
- Second harmonic: $\geq 15\text{dBc}$
- Control interface: local control



2.5GHz~6.5GHz 100W

- Input signal: pulsed and CW compatible
- Application: test & measurement(-40~+50°C)
- Psat.: $\geq 51\text{dBm}$
- Gain: $\geq 45\text{dB}$
- Small signal gain: $\geq 60\text{dB} \pm 1.5\text{dB}$
- Power efficiency: $\geq 20\%$
- ALC accuracy: $\pm 0.5\text{dB}$
- Second harmonic: $\geq 40\text{dBc}$
- Control interface: local control& Ethernet control&RS422 remote control



Solid State Power Amplifiers

Skylink offers end-to-end RF & Microwave solutions for customers worldwide across a wide range of markets. The solid state power amplifier extends a broad frequency range from 0.5MHz to 50GHz and provides output power up to multi-kilowatts. Our staff intent to use the cutting-edge technology of RF power amplification to produce rugged, power efficient, and cost-effective solutions. It is our priority to design and deliver high quality products which address customer system and business requirements.

As a professional Hi-tech manufacture, quality first is our commitment to customers. In order to make sure that our products is highly qualified, we continue to invest heavily in purchasing specialized test equipment and all our products are 100% ESS tested. The strict incoming material inspection process guarantees all used material are qualified and all our products are guaranteed for 2 years after shipped from factory.

Skylink's SSPAs solutions cover from low power PA modules to high power BUCs.



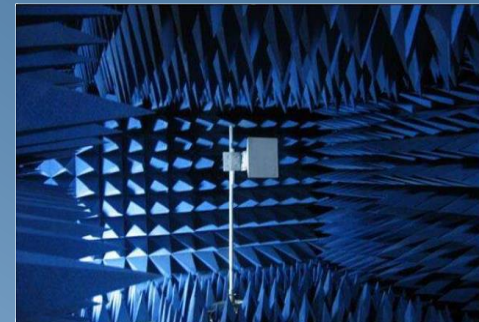
Communication SSPA

Satellite Communication
Scatter Communication
Telecommunication
UAV TT& C Data Link



Radar SSPA

Ground Based
Shipboard
Airborne
Commercial & Military



Broadband SSPA

Electronic Warfare
EMC Test
RCS Test
Radar Simulator



About Us

Chengdu Skylink Intellitech Co.,Ltd (Short named Skylink Microwave) was funded in 2015 by a group of experienced veterans in RF/Microwave industry for over 20 years individually. It is dedicated to providing state-of-the-art technology and uniformly high quality microwave components and assemblies to customers worldwide for both communication and test markets. It is our commitment to provide customers high reliability and field proven products to fulfill or exceed customers' needs and expectation. Our vision is to be a leading supplier of RF/MW components and assemblies in global market.

With the effort of our highly skilled R&D team, we have developed several product lines covering frequency from DC to 50GHz. Our custom engineered service helped customers to design the most complex products meeting the most exigent requirements. The advanced test equipment and the stringent quality control system assured product's quality and reliability.

Skylink was ISO9001 approved and all our products meet ISO9001 standard.

Product Lines

- SSPAs
- High power SSPAs
- BUCs/Transceivers
- Filters
- Diplexers/Multiplexers
- Switched filter banks
- Up Converters
- Down Converters
- BUCs/LNBs
- Pin Diode switches
- High power Pin Diode switches
- Switch matrices

Advantages

- Fast delivery from prototype : 6~8 weeks
- Cost-effective solutions
- Raw material expertise selection
- High quality and reliability
- Custom design available