

# Broadband Amplifier Narrowband Amplifier

20+ Years' experience of manufacture RF  
and microwave power amplifier



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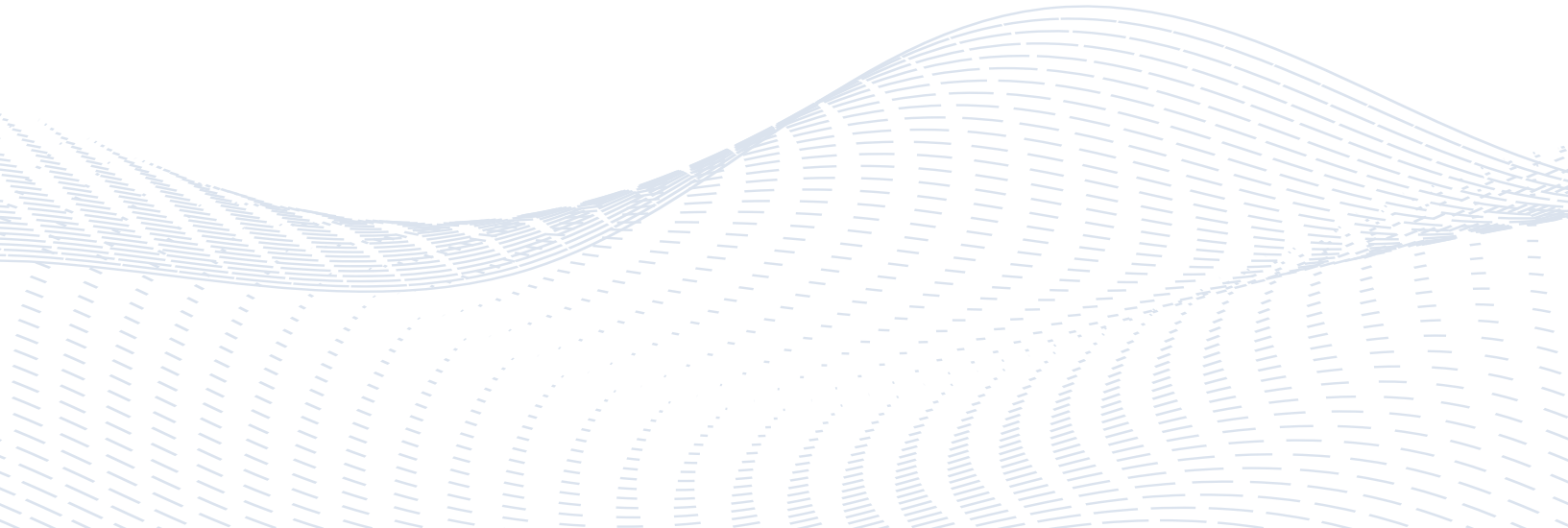
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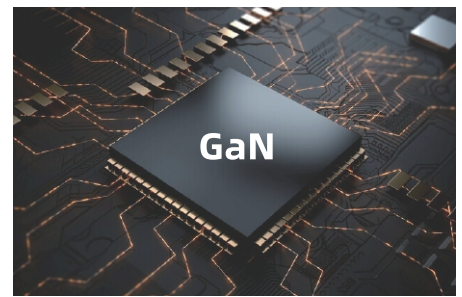
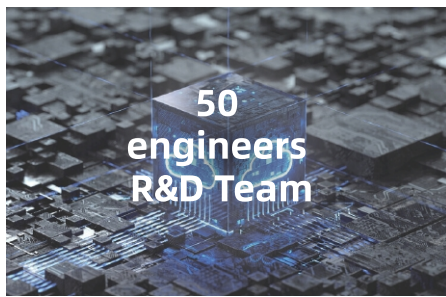


# About Us

Chengdu Microwave Technology Co., Ltd is a high-tech enterprise specialized in the research and development, production and sales of microwave and millimeter wave active and passive components. Our products are applied in high-tech fields such as radar, jamming, test and measurement, communication, and etc. The products mainly include: Broadband High Power Amplifier Module, Narrowband High Power Amplifier Module, Pulse Amplifier, RF Amplifiers Subsystem. Our products have the characteristics of small volume, light weight, excellent performance, stable and compact structure. Pls check with our sales team or E-mail to [info@cdmicrowave.com](mailto:info@cdmicrowave.com) if you have any more questions.

# R&D Team

- We have 50 engineers of R&D Team
- Chief engineers with 20+ Years' experience in designing power amplifier
- Design with state-of-the-art GaN, GaAs, LDMOS and bipolar device technology



# High Quality Control System

## Strong QC Team

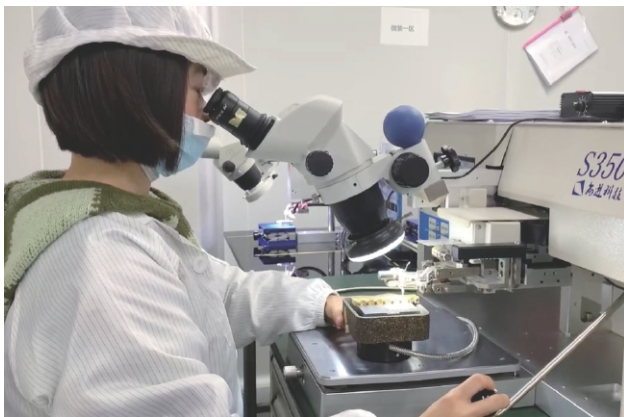
We have a professional QC team of 23 technicians to guarantee our reputation and high performance of power amplifier.

## Strict Inspection

We perform 100% visual/mechanical/electrical inspection on all incoming materials. Vendors and materials are continuously evaluated to ensure compliance to set quality standards. During and after production, strict inspection is also executed. Every data on our ATR is verified by QC technicians.

# Production Capacity

- All production employees have relative technical certificates
- We have 2 production lines, which are well designed, wire bonding, initial electrical test & inspection, temperature cycling, burn-in test, low-high-normal temperature test to the last electrical test, each step strictly follows ISO9001 quality management system and 6S standards.



# Broadband Amplifier

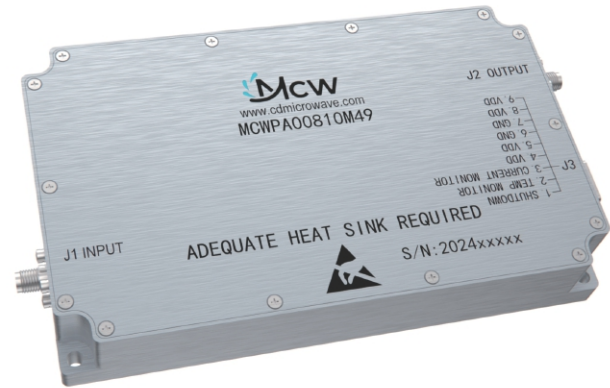
- Frequency from 1MHz to 18GHz
- Output power from 1W to 1000W
- High power, high efficiency, low distortion, Small size & light weight
- Radar, communication, jamming, EMC
- Built-in control and protection circuits
- Class AB



Model No.	SKU	Frequency		Power Gain (dB)	Pout (Watts)	Voltage (V)	Typ. Current (A)	Size mm [inch]
		Min.	Max.					
MCW0525M47	MCW0525M47A	500MHz	2500MHz	48	50	28	7	162x90x25 [6.38x3.54x0.98]
MCW0525M50	MCW0525M50A	0.5Ghz	2.5Ghz	50	100	28	13	180x82x25 [7.09x3.23x0.98]
MCW0527M43	MCW0527M43A	500MHz	2700MHz	44	20	28	4	140x80x25 [5.51x3.15x0.98]
MCW0527M47	MCW0527M47A	500MHz	2700MHz	47	50	28	6	162x90x25 [6.38 x 3.54 x 0.98]
MCW0727M47	MCW0727M47A	700MHz	2700MHz	47	50	28	9	160x90x25[6.29x3.54x0.98]
MCW0727M50	MCW0727M50A	0.7Ghz	2.7Ghz	50	100	28	13	180x80x25 [7.09x3.15x0.98]
MCW0810M53	MCW0810M53A	800MHz	1000MHz	53	200	28	23	200x150x30 [7.87x5.91x1.18]
MCW0830M47	MCW0830M47A	800MHz	3000MHz	47	50	28	6	160x90x25 [6.30x3.54x0.98]
MCW0840M47	MCW0840M47A	800MHz	4000MHz	47	50	28	13	180x120x25 [7.09x4.72x0.98]
MCW0001003M47	MCW0001003M47A	1.5MHz	30MHz	47	50	28	5	150x90x25[5.91x3.54x0.98]
MCW0001003M53	MCW0001003M53A	1.5MHz	30MHz	53	200	28	15	200x150x25 [7.87x5.91x0.98]
MCW1020M47	MCW1020M47A	1000MHz	2000MHz	48	50	28	7	170x90x25 [6.69x3.54x0.98]
MCW1020M50	MCW1020M50A	1000MHz	2000MHz	50	100	28	12	170x120x25 [6.70x4.72x0.98]
MCW1020M53	MCW1020M53A	1000MHz	2000MHz	53	200	28	20	200x150x25 [7.87x5.91x0.98]
MCW1025M47	MCW1025M47A	1000MHz	2500MHz	47	50	28	9	140x85x20.5 [5.51x3.35x0.81]
MCW1060M40	MCW1060M40A	1000MHz	6000MHz	40	10	28	3	180x80x25[7.08x3.14x0.98]
MCW2040M43	MCW2040M43A	2000MHz	4000MHz	43	20	28	5	150x90x25 [5.91x3.54x0.98]
MCW002052M47	MCW002052M47A	20MHz	520MHz	47	50	28	7	150x90x25 [5.91x3.54x0.98]
MCW002052M50	MCW002052M50A	20MHz	520MHz	50	100	28	9	150x90x25 [5.91x3.54x0.98]
MCW002052M53	MCW002052M53A	20MHz	520MHz	53	200	28	20	180x150x25[7.1x5.9x1]
MCW2060M40	MCW2060M40A	2000MHz	6000MHz	40	10	28	2	150x 90 x 25 [5.91x3.54x0.98]
MCW2060M47	MCW2060M47A	2000MHz	6000MHz	47	50	28	9	160x100x25 [6.30x3.94x0.98]
MCW4650M47	MCW4650M47A	4.45GHz	4.85GHz	20	50	28	6	150x90x25 [5.91x3.54x0.98]
MCW4700M47	MCW4700M47A	4400MHz	5000MHz	47	50	28	7	170x90x25[6.69x3.54x0.98]

# Narrowband Amplifier

- 1MHz to 18GHz, 1W to 1000W
- High power, high efficiency, low distortion
- Small size & light weight, great linearity
- Radar, communication, jamming, EMC
- Built-in control and protection circuits
- Class AB



Model No.	SKU	Frequency		Power Gain (dB)	P <sub>out</sub> (Watts)	Voltage (V)	Typ. Current (A)	Size mm [inch]
		Min.	Max.					
MCW00810M49	MCW00810M49A	80MHz	1000MHz	49	80	28	11	150x90x25 [5.91x3.54x0.98]
MCW0890M47	MCW0890M47A	850MHz	930MHz	47	50	28	5	180x80x25 [7.09x3.15x0.98]
MCW0890M50	MCW0890M50A	850MHz	930MHz	50	100	28	12	180x90x20 [7.09x3.54x0.79]
MCW2400M53	MCW2400M53A	2200MHz	2500MHz	28	200	28	24	200x150x30 [7.87x5.91x1.18]
MCW2450M47	MCW2450M47A	2200MHz	2700MHz	47	50	28	6	150x90x25 [5.91x3.54x0.98]
MCW5060M43	MCW5060M43A	5000MHz	6000MHz	43	20	28	4	160x90x25 [6.29x3.54x0.98]
MCW5060M47	MCW5060M47A	5000MHz	6000MHz	47	20	28	9	160x90x25 [6.29x3.54x0.98]
MCW5659M47	MCW5659M47A	5600MHz	5900MHz	47	50	28	10	180x110x25 [7.08x4.33x0.98]



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