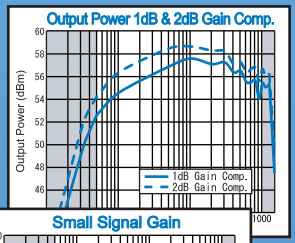
R&K Company Limited

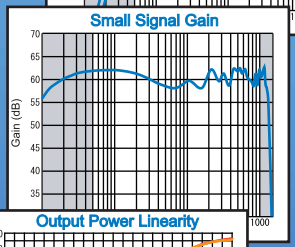
# High Power RF & Microwave Amplifier
## —for Particle Accelerators—

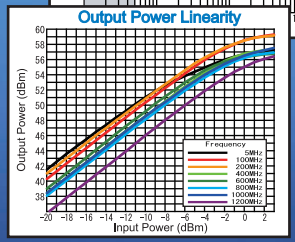
**R&K is one of the world's leading manufacturers supplying Solid-State RF Power Amplifiers.**
**・High stability of amplitude/phase ・Simple operation ・High Linearity ・Long-term Maintainability**

R&K-GA005M122-5757R-CE

**5MHz~1250MHz**
**500W CW**




## Product List

▼Following is a list of past products for reference.
We will offer custom products for your requirement.

### Narrow Band Power Amplifiers

| MODEL | Frequency | Output Power | Pulse Width | Duty | Cooling |
|---|---|---|---|---|---|
| CA90.1BW2-5673R | 90.115MHz ± 1MHz | 20kW | CW | 100% | Water&Air |
| CA100BW2-7575RP | 100MHz ± 1MHz | 30kW | ~ 1.2ms | 0.50% | Air |
| CA114BW2-6171RP | 114MHz ± 1MHz | 12kW | 30 ~ 100μs | 0.50% | Water |
| CA186BW3-7878R-LB | 185.7MHz ± 1.5MHz | 60kW | CW | 100% | Water |
| CA200BW0.4-7383RP | 200MHz ± 0.2MHz | 200kW | ~ 1.1ms | 3.30% | Water |
| CA324BW10-7181RP | 324MHz ± 5MHz | 120kW | 210 ~ 600μs | 3.00% | Air |
| CA358BW2-6878RP | 358.54MHz ± 1MHz | 64kW | 10ms | 10.00% | Water&Air |
| CA509MBW6-7373R | 509MHz ± 3MHz | 20kW | CW | 100% | Water&Air |
| CA571BW2-6070RP | 571MHz ± 1MHz | 10kW | 10 ~ 100μs | 0.50% | Water |
| CA1300BW10-6372R | 1300MHz ± 5MHz | 16kW | CW | 100% | Water |
| CA2856BW20-5861RP | 2856MHz ± 10MHz | 1.2kW | 5μs | 0.05% | Air |
| CA5712BW20-6157RB | 5712MHz ± 10MHz | 450W | 1μs ~ 5μs | 0.05% | Water |
| GA11424BW200-5757RP | 11.424GHz ±100MHz | 500W | 1.5μs | 1.00% | Air |

### Broad Band Power Amplifiers

| MODEL | Frequency | Output Power | Cooling |
|---|---|---|---|
| A009K251 Series | 9kHz ~ 250MHz | 25W ~ 12kW CW | Air |
| A009K401 Series | 10kHz ~ 400MHz | 25W ~ 500W CW | Air |
| A101K501 Series | 100kHz ~ 505MHz | 40W ~ 200W CW | Air |
| A001M102 Series | 1MHz ~ 1000MHz | 10W ~ 250W CW | Air |
| A080M102 Series | 80MHz ~ 1000MHz | 75W ~ 4kW CW | Air |
| GA005M122-5757R-CE | 5MHz ~ 1250MHz | 500W CW | Air |
| A501M272 Series | 500MHz ~ 2700MHz | 5W ~ 120W CW | Air |
| A801M202 Series | 800MHz ~ 2000MHz | 50W ~ 600W CW | Air |
| GA102M252 Series | 1000MHz ~ 2500MHz | 50W ~ 2kW CW | Air |
| A202M402 Series | 2000MHz ~ 4000MHz | 10W ~ 50W CW | Air |
| GA701M402 Series | 690MHz ~ 4000MHz | 5W ~ 800W CW | Air |
| GA701M602 Series | 700MHz ~ 6000MHz | 10W ~ 200W CW | Air |
| GA252M602 Series | 2500MHz ~ 6000MHz | 10W ~ 300W CW | |

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