



# New Product & Technology

## RF POWER AMPLIFIER



### R&K - CA509MBW6-7373R

All Solid State Amplifier  
Frequency Range : 509MHz  $\pm$  3MHz  
Output Power : 20kW



### R&K - A010K221-7070R

All Solid State Amplifier  
Frequency Range : 10kHz~220MHz  
Output Power : 10kW

## RADIAL COMBINER



■509MHz / 16-Way

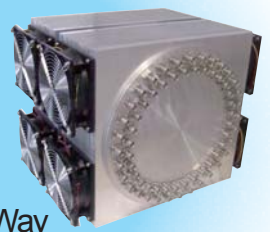
Output Side



Input Side



■509MHz / 64-Way

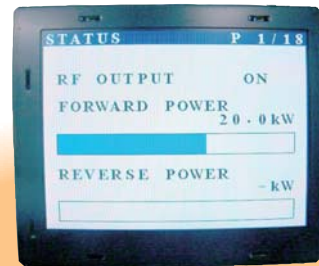


■2GHz~6GHz / 8-Way    ■1GHz~2.5GHz / 16-Way

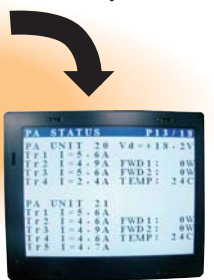
R&K realized All Solid-State RF High Power Amplifiers of few kW to 100kW output power by adopting "Radial Combiner" technology which makes it possible to combine odd or prime number outputs at extremely low loss. The max/min frequency bandwidth ratio is maximum 5 times at the moment. Special feature is the use of internal absorptive resistors. R&K is currently developing for even larger bandwidth and higher power.

## R&K Multi Monitoring System

Old Type (Analog Meter)



Switch to another screen by button



The Multi Monitoring System built in RF High Power Amplifiers enables all the current, voltage, temperature, forward power and reflection power being monitored and recorded at all times. All parameters of the past operation can be recorded and stored by time marker.

- \* Monitored data can be checked by LCD/TFT at any time.
- \* Monitored data can be stored for over 10 years in SD card. (SD Card is removable and the stored data can be transferred as an electronic file)
- \* Easy-to-read bright color display (small-size/large-size)
- \* Controllable from PC by GPIB/RS232C/USB/Ethernet. (Panel display in a distant place is also available)
- \* 3.5 year warranty for RF High Power Amplifiers with the Multi Monitoring System.
- \* Rapid diagnosis, investigation, and analysis are available.

<http://rk-microwave.com>



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