



MICROWAVE GaAs FET AMPLIFIER

MODEL **R&K A2040-5050-R**

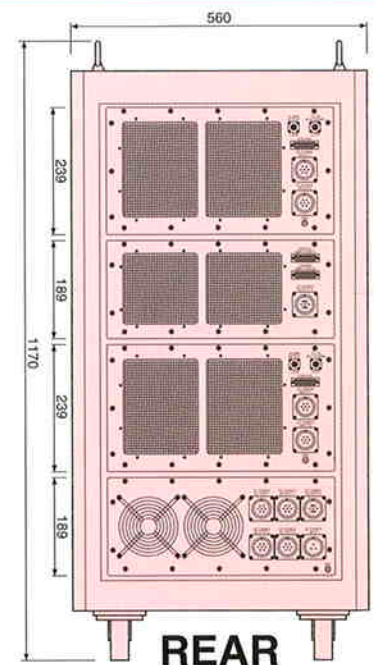
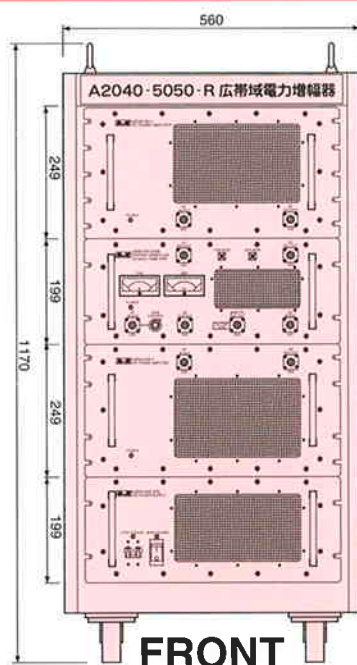
- BROADBAND FREQUENCY : 2000~4000MHz
- HIGH POWER : 100W min. (@1dB Comp.)
- HIGH RELIABILITY GaAs FET CONSTRUCTION
- FOR COMMUNICATIONS TEST EQUIPMENT



SPECIFICATIONS

- | | |
|--------------------------------------|--|
| 1. Input/Output Frequency Range | 2000~4000MHz (min.) |
| 2. Small Signal Gain | +50dB (min.) |
| 3. Power Gain @ 1dB Compression | +49dB (min.) |
| 4. Power Gain Flatness | ±2.0dB (max.) |
| 5. Power Output (@ 1dB Comp.) | 100W (min.) |
| 6. Amplifier Operation Mode | Class A Linear |
| 7. 2 Tone 3rd Order Intercept Point | +60dBm (typ.) |
| 8. Input/Output Impedance | 50Ω Nominal |
| 9. Input VSWR | 2.0 (max.) |
| 10. Output VSWR | 2.0 (max.) |
| 11. Harmonics | -20dBc (max.) @ Full Power |
| 12. Spurious | -65dBc (max.) @ Full Power |
| 13. Input Noise Figure | 10dB (typ.) |
| 14. Output Power Duty Ratio | 100% C.W. |
| 15. Connectors | RF Input: N-Female
RF Output: N-Female |
| 16. AC Supply Input Connector | Cannon Type AC Connector |
| 17. Ground Connector | Terminal On Back Panel
Integral AC/Ground Connector |
| 18. Open/Short Circuit Protection | Protected Infinite VSWR |
| 19. Integral Temperature Sensor | +70°C Internally Protected |
| 20. Integral Over Current Protection | 30A (max.) |
| 21. AC Power Supply Input | AC200V, 50/60Hz · 15A (max.) |
| 22. Cooling | Integral Forced Air Cooling |
| 23. Operating Temperature | -10°C ~ +45°C |
| 24. Storage Temperature | -15°C ~ +65°C |
| 25. Option | Gain Control
FWD Monitor
REF Monitor |

DIMENSIONS



R&K Company Limited.

121-6 Yunoki, Fuji-City, Shizuoka-Pref. Japan.
Phone:0545-64-0559 FAX:0545-64-0507