

RF POWER AMPLIFIER



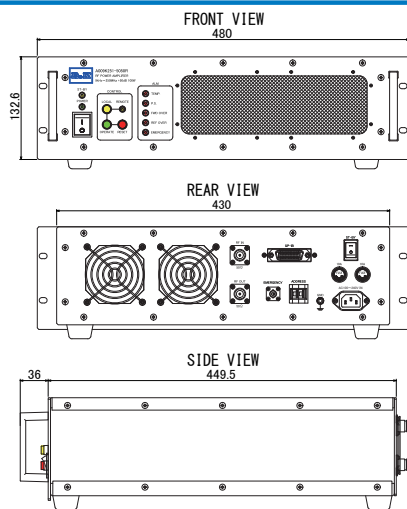
2017 Model

R&K-A009K251-5050R



OUTLINE DRAWING

※IN MILLIMETERS



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 9kHz~250MHz
- Output Power (CW) : 100W (min.) @1dB Comp.

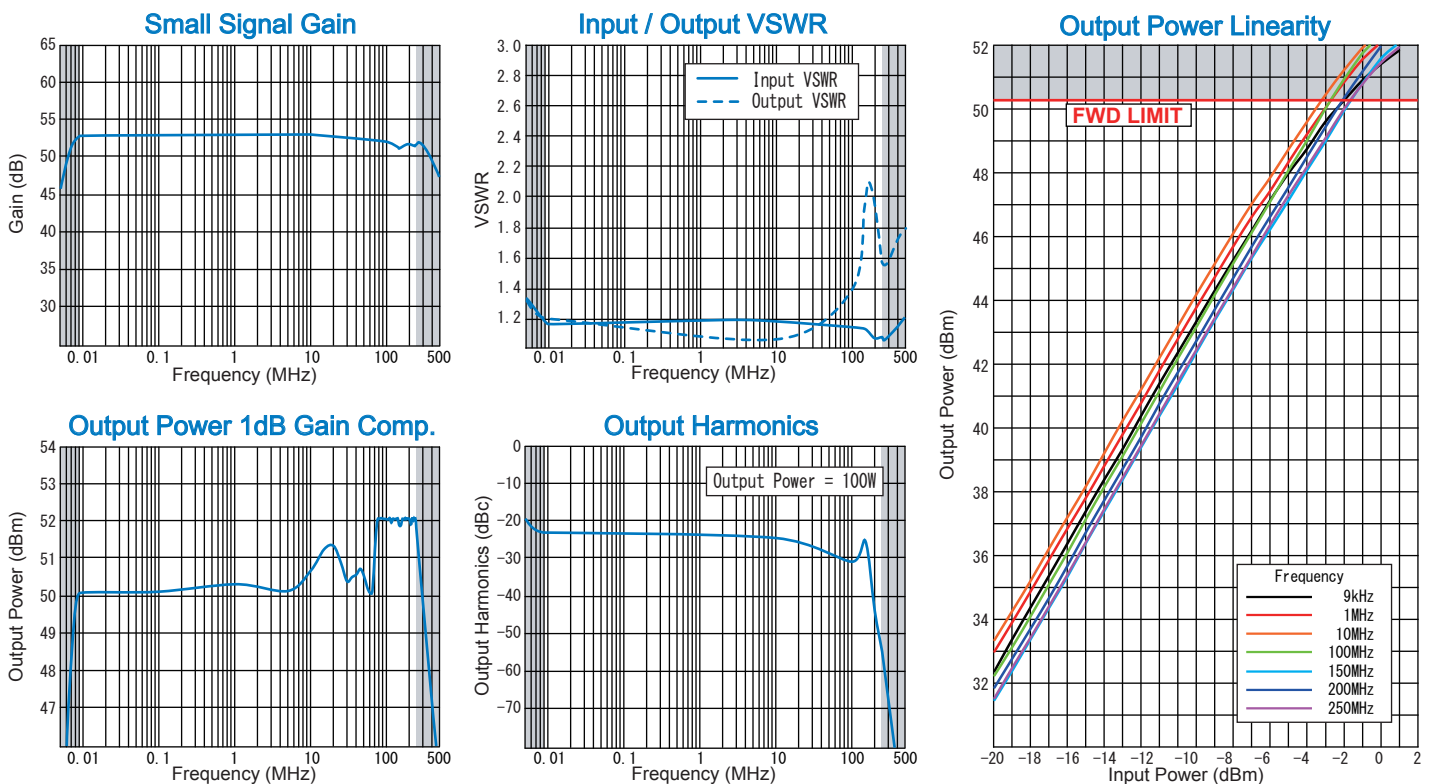
APPLICATION

- EMC (Electromagnetic Compatibility)
- Etc...

SPECIFICATIONS @ +25°C

Frequency Range	: 9kHz ~ 250MHz
Small Signal Gain	: +50.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power (CW)	: 100W (min.) @1dB Comp.
Operation Mode	: Class A
Output I.C.P.	: +58.0dBm (typ.)
Harmonics	: -20.0dBc (max.) @Po=100W
Spurious	: -70.0dBc (max.) @Po=100W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC100V~240V / 1Φ, 50/60Hz, 800VA
Operating Temperature	: 0°C to +45°C
Storage Temperature	: -10°C to +55°C
Connectors	: RF-IN N-FEMALE @REAR PANEL RF-OUT N-FEMALE @REAR PANEL
Size	: (W)480mm×(D)449.5mm×(H)132.6mm
Weight	: 16.0kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflected Power Protection
Other Functions	: GP-IB(IEEE-488) Safety Interlock(EMERGENCY)

TYPICAL PERFORMANCE (Temp @+25°C)



R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, the export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan's "Foreign Exchange and Foreign Trade Law".

R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
 Tel : +81-545-31-2600 E-mail : info@rkco.jp
 Fax : +81-545-31-1600 URL : http://rk-microwave.com