

# RF POWER AMPLIFIER



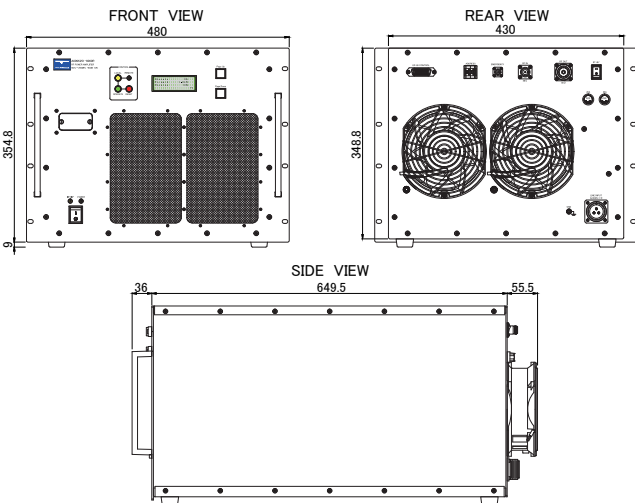
2017 Model

## R&K-A009K251-6060R



### OUTLINE DRAWING

※IN MILLIMETERS



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 9kHz~250MHz
- Output Power (CW) : 1kW @3dB Comp.

### APPLICATION

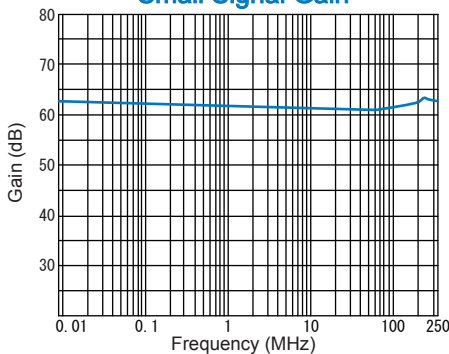
- EMC(Electromagnetic Compatibility)
- Etc...

### SPECIFICATIONS @ +25°C

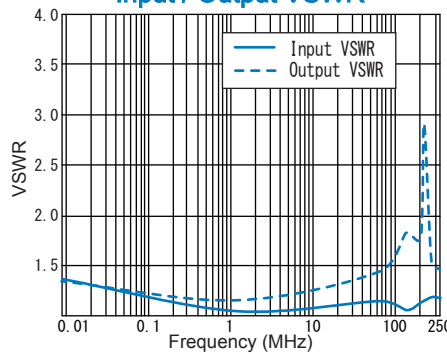
Frequency Range	: 9kHz ~ 250MHz
Small Signal Gain	: +60.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power (CW)	: 1kW (min.) @3dB Comp. : 700W (min.) @1dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=700W
Spurious	: -70.0dBc (max.) @Po=700W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V±15%/1φ, 50/60Hz, 5kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE : RF - OUT 7/16" - FEMALE
Size	: (W)480mm × (D)649.5mm × (H)354.8mm
Weight	: 58.5kg (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	: R&K Multi Monitoring System : GP-IB(IEEE-488) : Safety Interlock(EMERGENCY)

### TYPICAL PERFORMANCE (Temp @+25°C)

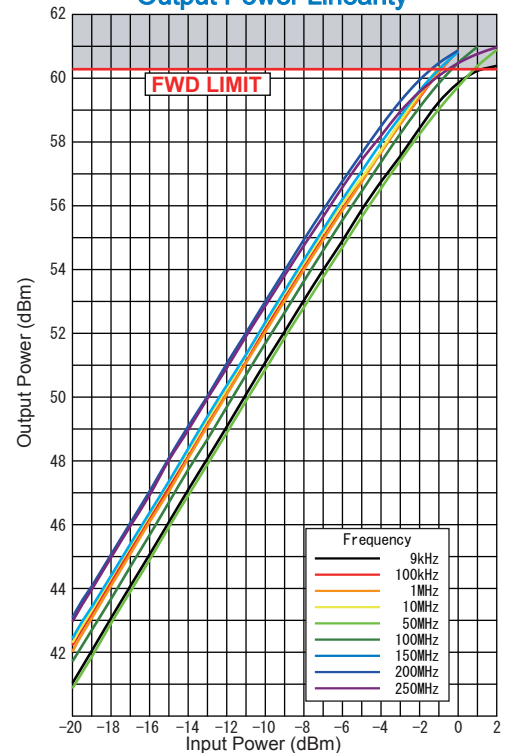
Small Signal Gain



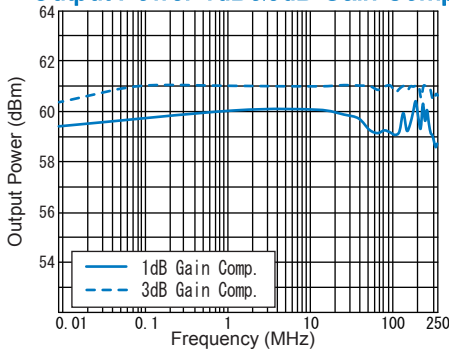
Input / Output VSWR



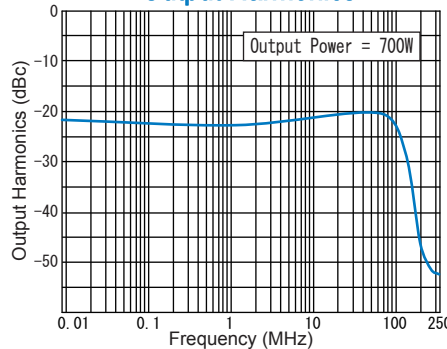
Output Power Linearity



Output Power 1dB&3dB Gain Comp.



Output Harmonics



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