

# RF POWER AMPLIFIER



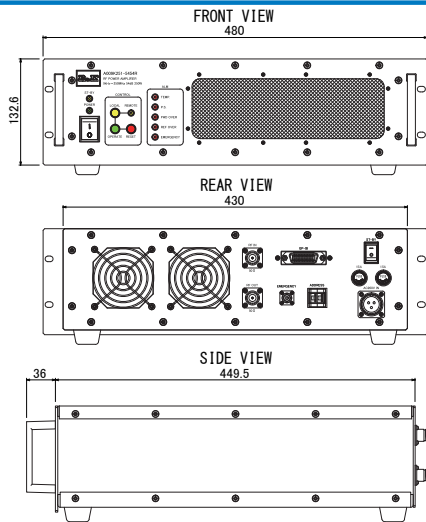
2017 Model

## R&K-A009K251-5454R



### OUTLINE DRAWING

※IN MILLIMETERS



### TYPICAL PERFORMANCE (Temp @+25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 9kHz ~ 250MHz
- Output Power : 200W (min.) @1dB Comp.

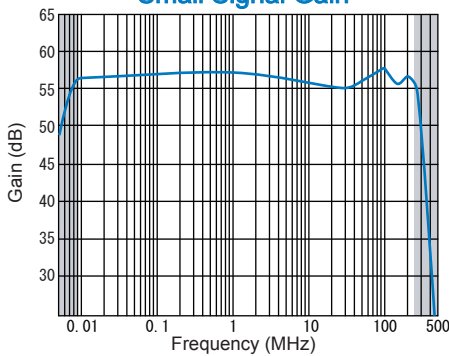
### APPLICATION

- EMC(Electromagnetic Compatibility)
- Etc...

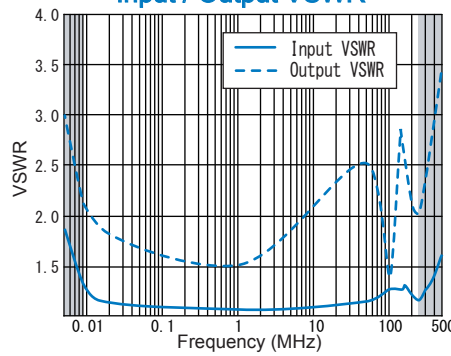
### SPECIFICATIONS @ +25°C

Frequency Range	: 9kHz ~ 250MHz
Small Signal Gain	: +54.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	: 200W (min.) @1dB Comp.
	: 250W (min.) @3dB Comp.
Operation Mode	: Class A
Output I.C.P.	: +63.0dBm (typ.)
Harmonics	: -20.0dBc (max.) @Po=200W
Spurious	: -70.0dBc (max.) @Po=200W
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, 1.6kVA
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE @REAR PANEL RF - OUT N - FEMALE @REAR PANEL
Size	: (W)480mm×(D)449.5mm×(H)132.6mm
Weight	: 18.0kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection
Other Functions	: GP-IB Safety Interlock(EMERGENCY)

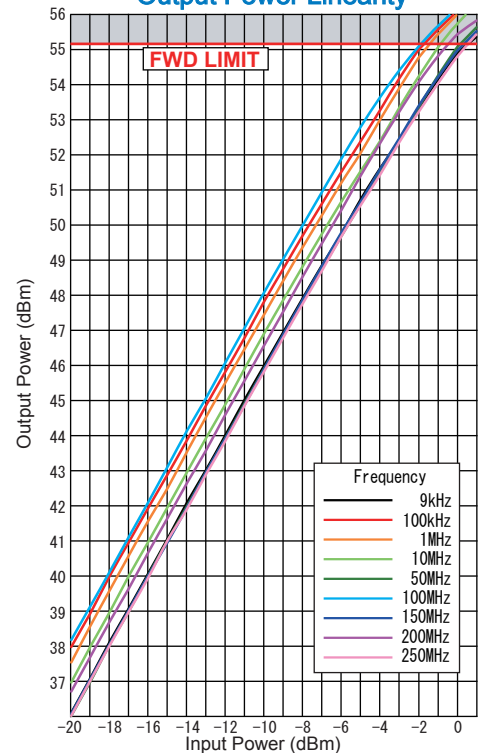
Small Signal Gain



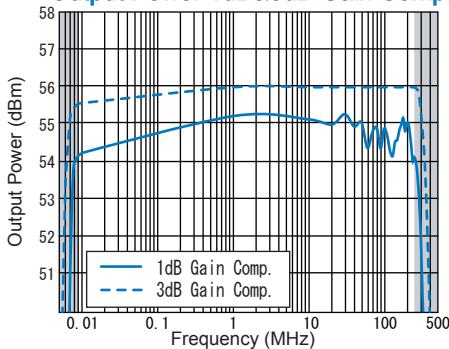
Input / Output VSWR



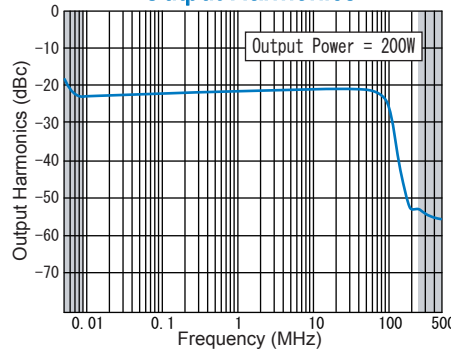
Output Power Linearity



Output Power 1dB&3dB Gain Comp.



Output Harmonics



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