

# RF POWER AMPLIFIER



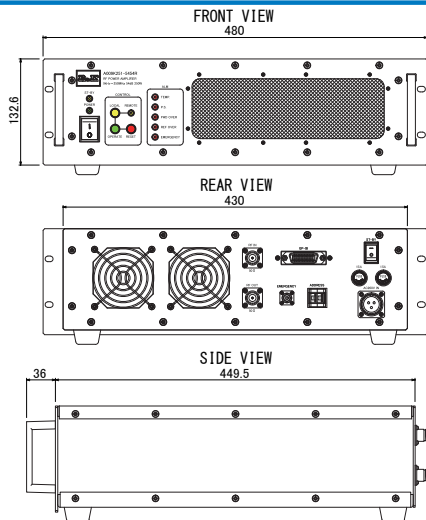
2017 Model

## R&K-A009K251-5454R



### OUTLINE DRAWING

※IN MILLIMETERS



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

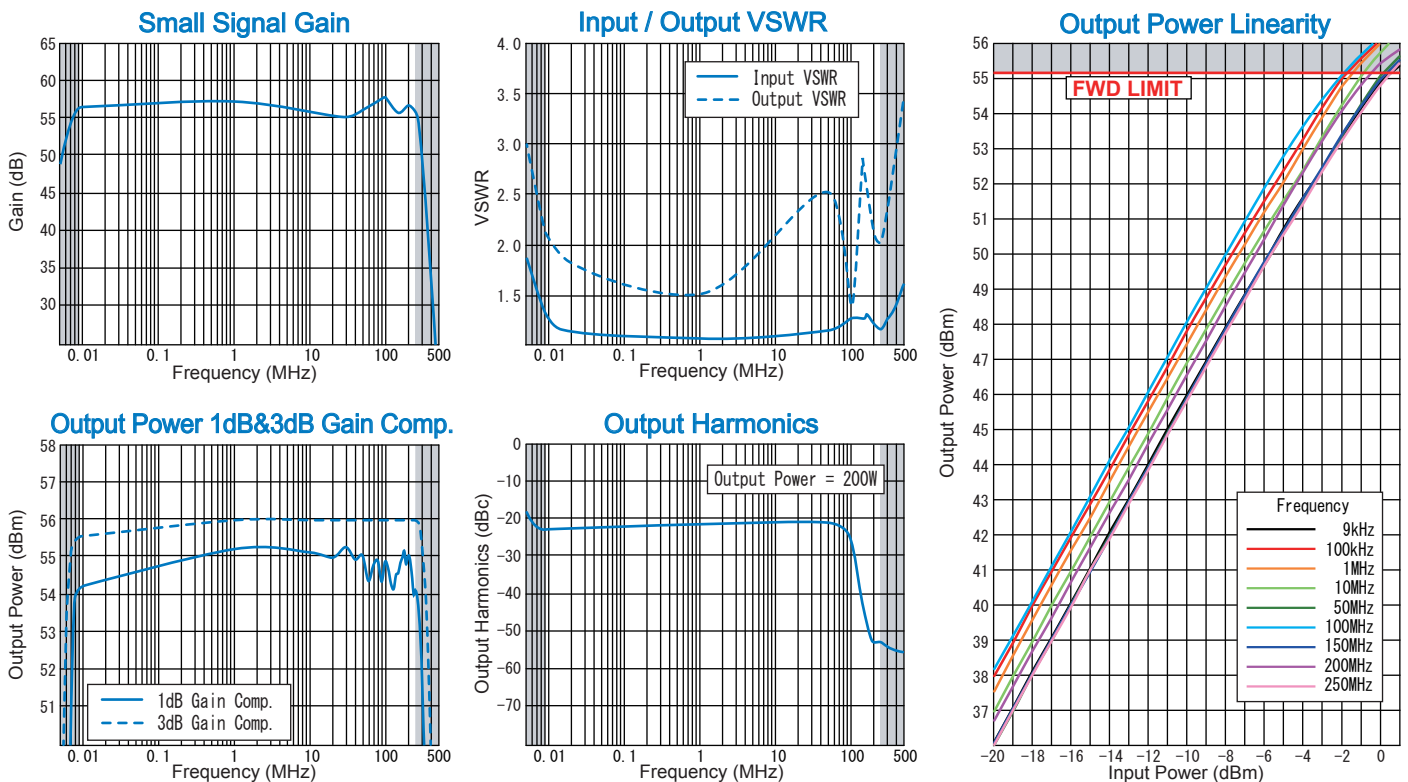
### APPLICATION

- Bunch by Bunch Feedback System for Synchrotron (Storage Ring)
- EMC(Electromagnetic Compatibility), etc.

### SPECIFICATIONS @ +25°C

Frequency Range	: 9kHz ~ 250MHz
Small Signal Gain	: +54.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power (CW)	: 200W (min.) @1dB Comp.
	: 250W (min.) @3dB Comp.
Output I.C.P.	: +63.0dBm (typ.)
Harmonics	: -20.0dBc (max.) @Po=200W
Spurious	: -70.0dBc (max.) @Po=200W
Impedance	: 50Ω
Input Return Loss	: 14.0dB (min.) / VSWR : 1.5 (max.) Δ1
Output Return Loss	: 6.0dB (min.) / 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(EIA:3U)
Weight	: 18.0kg (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)



\* CHANGE Δ1 30/AUG./2018

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