

# RF POWER AMPLIFIER

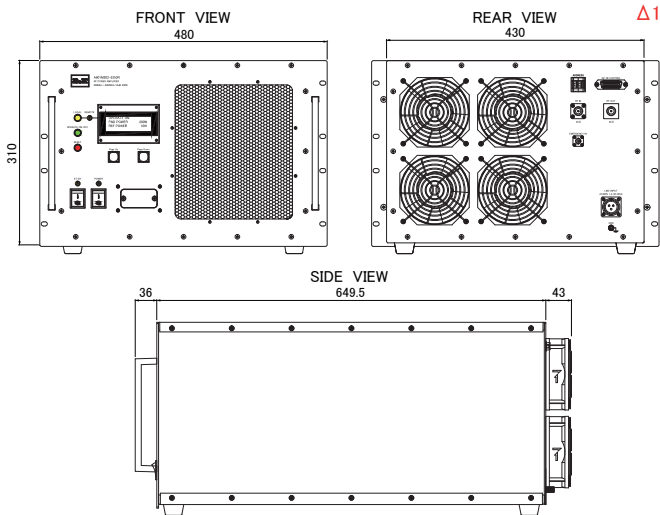


## R&K-A801M202-5353R



### OUTLINE DRAWING

※IN MILLIMETERS



### TYPICAL PERFORMANCE (Temp @+25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 800MHz~2000MHz
- Output Power (CW) : 200W (min.) @1dB Comp.
- With Output Circulator

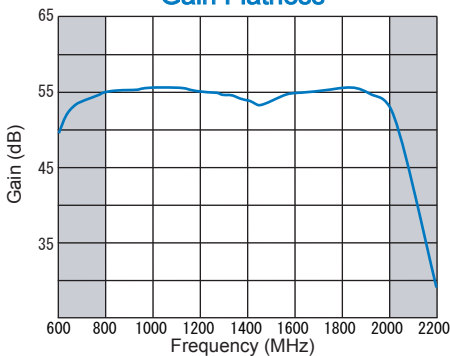
### APPLICATION

- EMC (Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

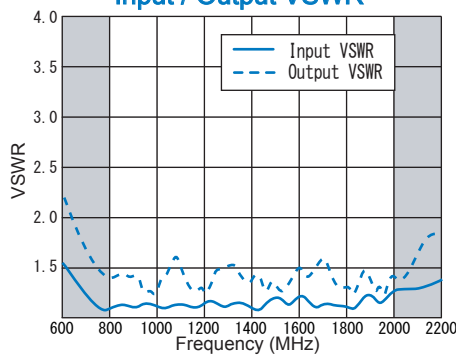
### SPECIFICATIONS @ +25°C

Frequency Range	: 800MHz ~ 2000MHz
Small Signal Gain	: +53.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power (CW)	: 200W (min.) @1dB 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	: 50 Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power:	+3.0dBm
AC Supply Input	: AC200V ± 15% / 1 φ, 50 / 60Hz, 2.4kVA
Operating Temperature	: 0°C to +35°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)649.5mm×(H)310mm(EIA:7U) Δ1
Weight	: 43.0kg (typ.) Δ2
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection (@220W) Output Over Reflected Power Protection (@120W)
Remote Interface	: [Standard] GPIB (IEEE-488) [Optional] Ethernet, RS-232C
Other Functions	: R&K Multi Monitoring System Safety Interlock (EMERGENCY)

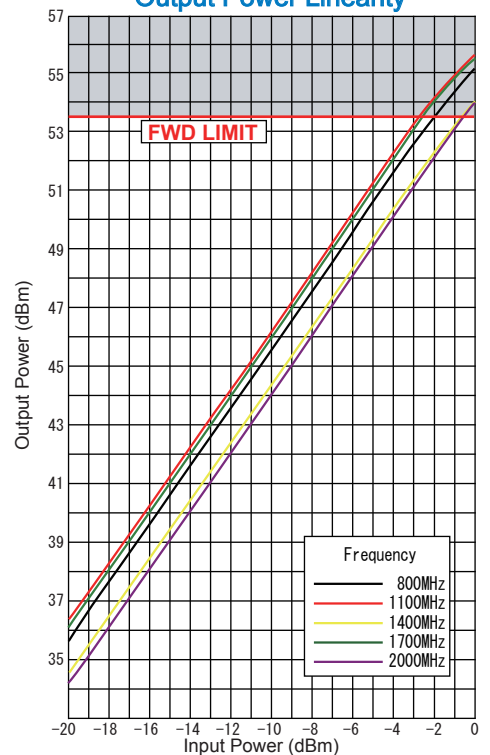
Gain Flatness



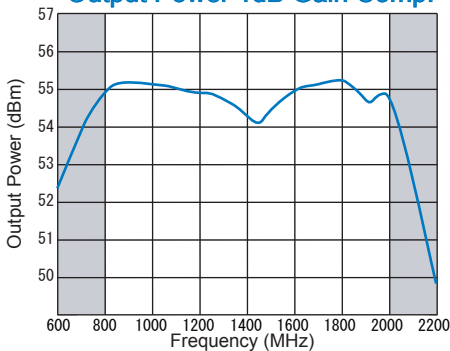
Input / Output VSWR



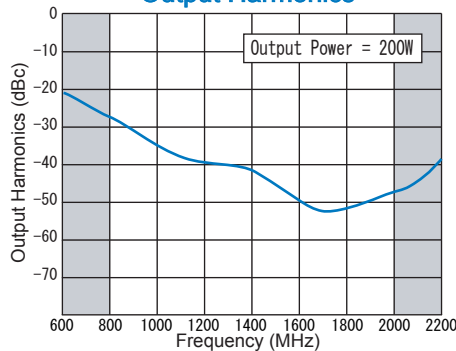
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



\* CHANGE Δ1 12/Nov./2014 Δ2 13/Mar./2019

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