

# RF POWER AMPLIFIER

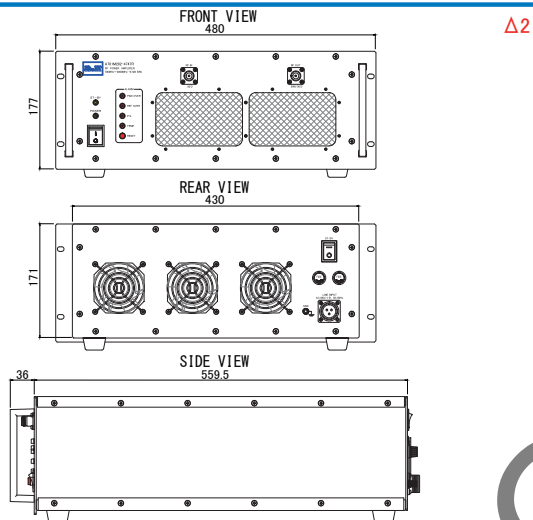


## R&K-A701M282-4747R



### OUTLINE DRAWING

※IN MILLIMETERS



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 700MHz~2800MHz
- Output Power : 50W (min.) @1dB Comp.

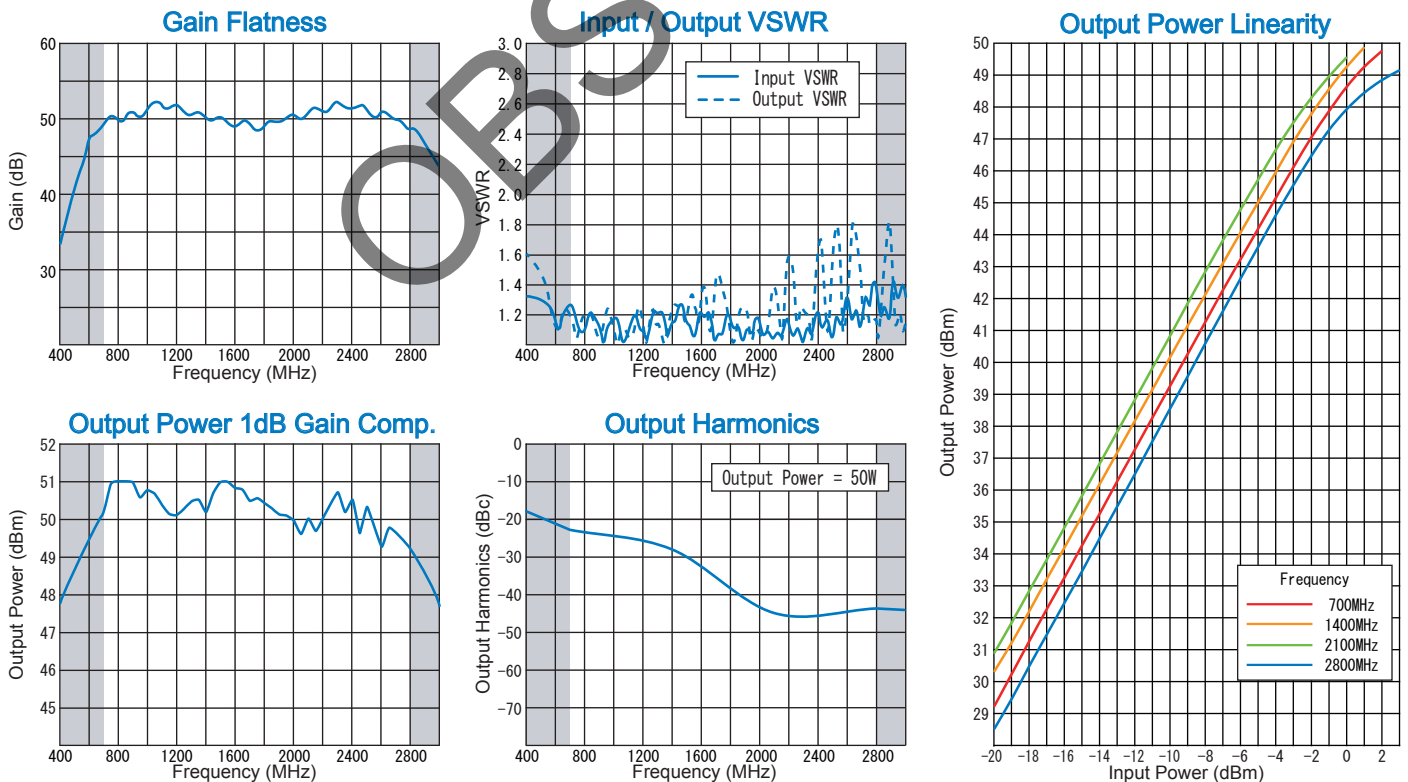
### APPLICATION

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

### SPECIFICATIONS @ +25°C

Frequency Range	: 700MHz ~ 2800MHz
Small Signal Gain	: +47.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	: 50W (min.) @1dB Comp.
Output I.C.P	: +57.0dBm (typ.)
Harmonics	: -20.0dBc (max.) @Po=50W Δ2
Spurious	: -60.0dBc (max.) @Po=50W
Operation Mode	: Class A
Impedance	: 50 Ω
Input Return Loss	: 12.7dB (min.) / VSWR : 1.6 (max.) Δ2
Output Return Loss	: 9.5dB (min.) / VSWR : 2.0 (max.)
AC Supply Input	: AC100V ±10% / 1 φ, 50 / 60Hz, 700VA Δ2
Maximum RF Input Power	: +3dBm
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE RF - OUT N - FEMALE
Size	: (W)480mm×(D)559.5mm×(H)177mm(EIA:4U) Δ2
Weight	: 20.0kg (typ.) Δ2
Cooling	: Forced Air Cooling
Protection Circuits Δ1	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflected Power Protection

### TYPICAL PERFORMANCE (Temp @+25°C)



\*CHANGE Δ1 8/Aug./2014 Δ2 30/Aug./2018

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, R&K cannot export products to any country for use in military or defense applications.

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