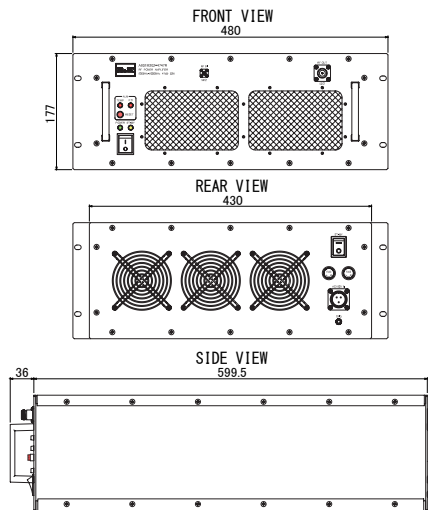


## R&K-A801M202-4747R



### OUTLINE DRAWING

※IN MILLIMETERS



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 800MHz~2000MHz
- Output Power (CW) : 50W (min.) @1dB Comp.
- With Output Circulator

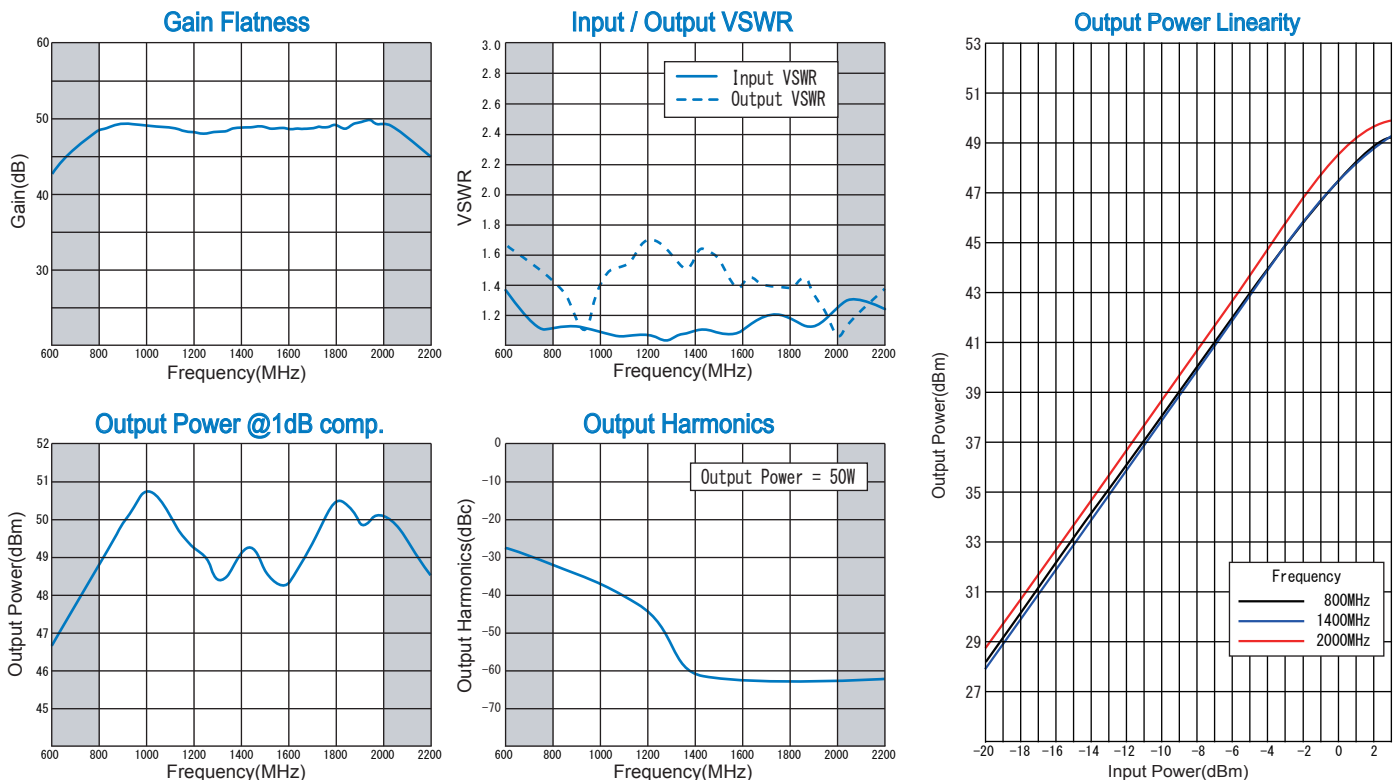
### APPLICATION

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

### SPECIFICATIONS @ +25°C

|                        |  |
|------------------------|--|
| Frequency Range        | : 800MHz ~ 2000MHz   |
| Small Signal Gain      | : +47.0dB (min.)   |
| Gain Flatness          | : ±2.0dB (max.)  |
| Output Power (CW)      | : 50W (min.) @1dB Comp.  |
| Operation Mode         | : Class A  |
| Output I.C.P.          | : +57.0dBm (typ.)  |
| Harmonics              | : -20.0dBc (max.) @Po=50W  |
| Spurious               | : -70.0dBc (max.) @Po=50W  |
| Impedance              | : 50Ω  |
| Input VSWR             | : 2.0 (max.)   |
| Output VSWR            | : 2.0 (max.)   |
| Maximum RF Input Power | : +3.0dBm  |
| AC Supply Input        | : AC100V±10%/1φ, 50/60Hz, 800VA                                  |
| Operating Temperature  | : 0°C to +40°C   |
| Storage Temperature    | : -15°C to +65°C   |
| Connectors             | : RF-IN SMA-FEMALE<br>RF-OUT N-FEMALE                            |
| Size                   | : (W)480mm×(D)599.5mm×(H)177mm(EIA:4U)                           |
| Weight                 | : 30.0kg (max.)  |
| Cooling                | : Forced Air Cooling   |
| Protection Circuits    | : Over Temperature Protection<br>Power Supply Voltage Protection |
| Other Function         | : With Output Circulator   |

### TYPICAL PERFORMANCE (Temp @+25°C)



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, The export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan's "Foreign Exchange and Foreign Trade Law".

## R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan  
 Tel : +81-545-31-2600 E-mail : info@rkco.jp  
 Fax : +81-545-31-1600 URL : http://rk-microwave.com