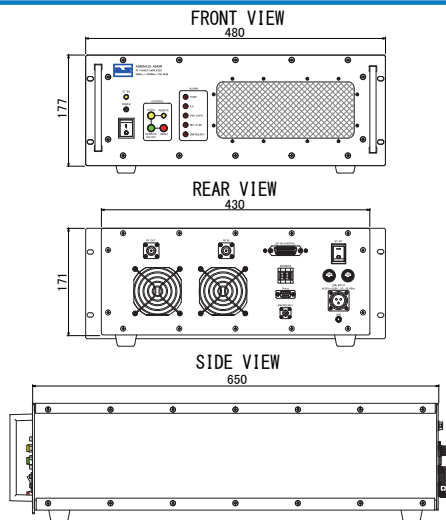


R&K-A080M102-4949R



OUTLINE DRAWING

※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @+25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 80MHz~1000MHz
- Output Power : 100W(min.) @3dB Comp.

APPLICATION

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

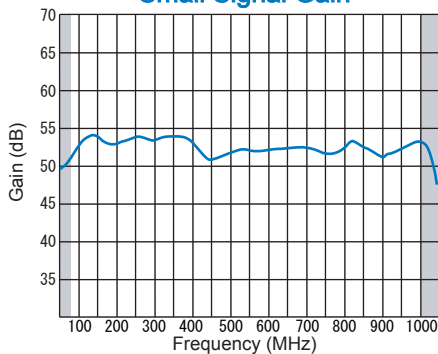
SPECIFICATIONS @ +25°C

Frequency Range	: 80MHz ~ 1000MHz
Small Signal Gain	: +49.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	: 75W (min.) @1dB Comp.
	: 100W (min.) @3dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=75W
Spurious	: -70.0dBc (max.) @Po=75W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC85V~250V/1φ, 50/60Hz, 1kVA
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)650mm×(H)177mm
Weight	: 27.0kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflection Power Protection

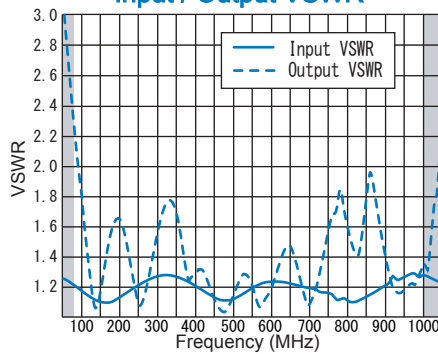
HOW TO ORDER

Model Number
R&K-A080M102-4949R OP **XX** Option:
See Option Line up

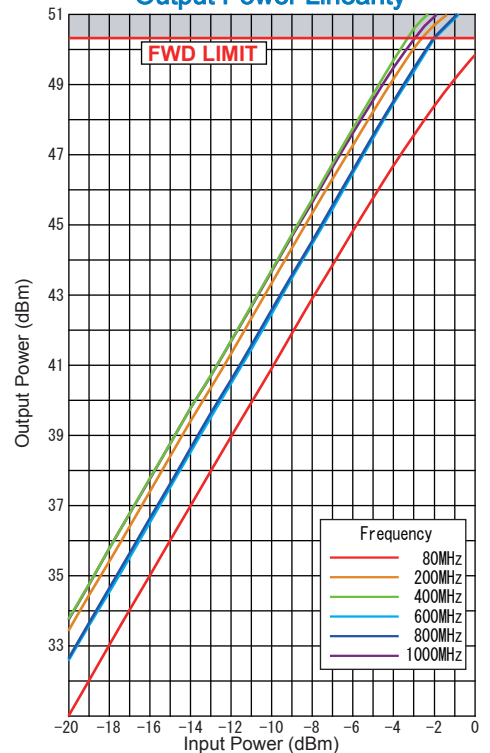
Small Signal Gain



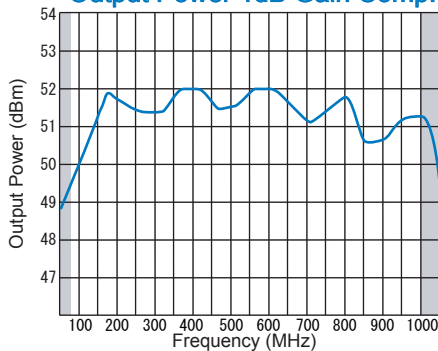
Input / Output VSWR



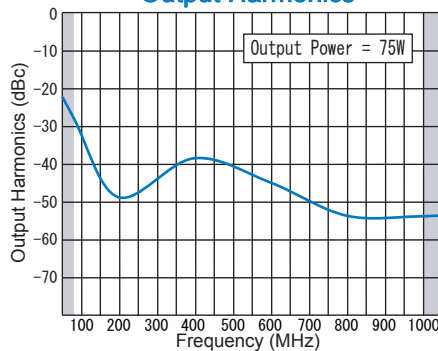
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



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.

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