

RF POWER AMPLIFIER

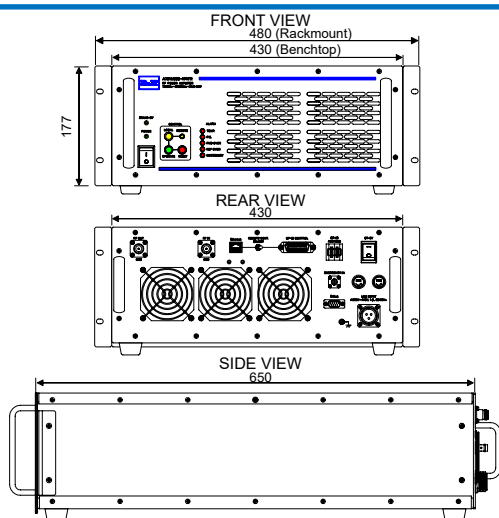


A701M602-4747R



OUTLINE DRAWING

※IN MILLIMETERS



TYPICAL PERFORMANCE (Temp @ +25°C)

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 700MHz-6000MHz
- Output Power (CW) : 50W (min.) @P3dB

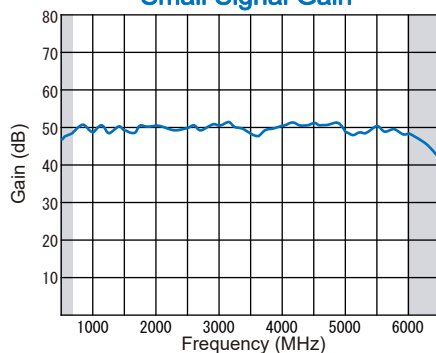
APPLICATIONS

- EMC (Electromagnetic Compatibility)
- Particle Accelerators
- Telecommunication Test and Measurement
- Etc...

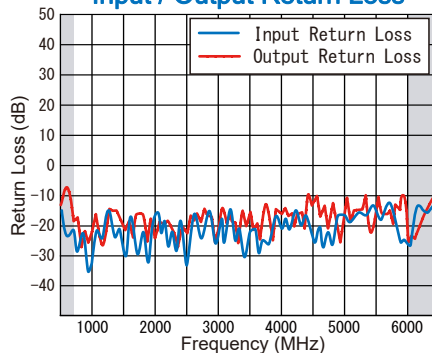
SPECIFICATIONS @ +25°C

Frequency Range	: 700MHz - 6000MHz
Small Signal Gain	: +47 dB (typ.), +45 dB (min.)
Gain Flatness	: ±2.5 dB (max.)
Output Power (CW)	: 50W @Rated Output Power 50W (min.) @3dB Compression 40W (min.) @1dB Compression
Operation Mode	: Class A
Harmonics	: -20 dBc (max.) @Po=40W
Spurious	: -70 dBc (max.) @Po=40W
Impedance	: 50Ω
Input Return Loss	: 9.5dB (min.) / VSWR 2.0:1 (max.)
Output Return Loss	: 6dB (min.) / VSWR 3.0:1 (max.)
Maximum RF Input Power	: +3 dBm
AC Supply Input	: Single-phase 90 - 240 VAC, 50/60Hz, 1kVA
Operating Temperature	: 0°C to +40°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE @REAR RF - OUT N - FEMALE @REAR
Size	: (W)430mm×(D)650mm×(H)177mm (EIA: 4U) *Excluding Projection
Weight	: 27 kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Protection Forward Over Protection (@52.5W) Reflected Over Protection (@24W)
Remote Interface	: Ethernet(telnet) & GPIB (IEEE-488)
Other Functions	: Interlock (Emergency Stop)

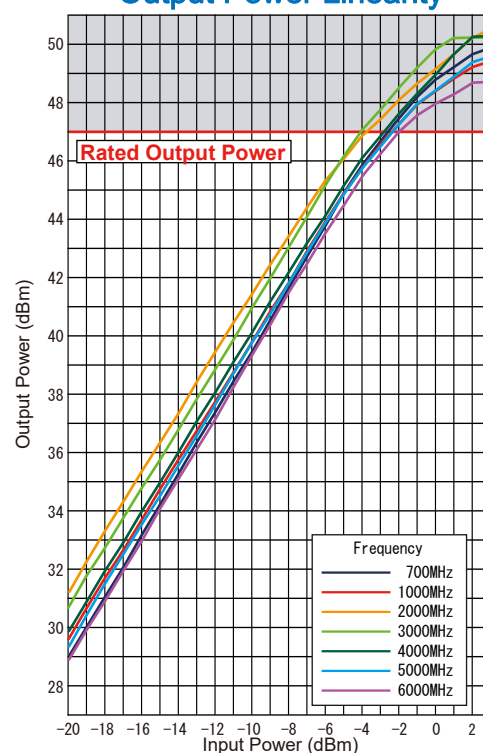
Small Signal Gain



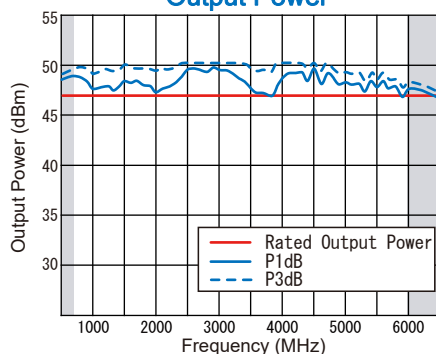
Input / Output Return Loss



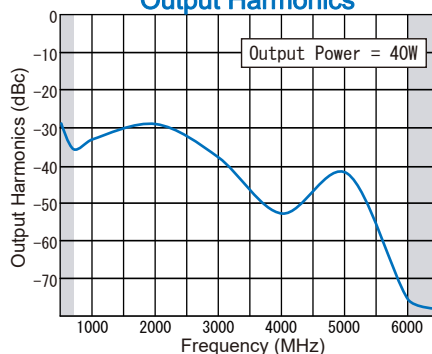
Output Power Linearity



Output Power



Output Harmonics



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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: <https://rk-microwave.com>