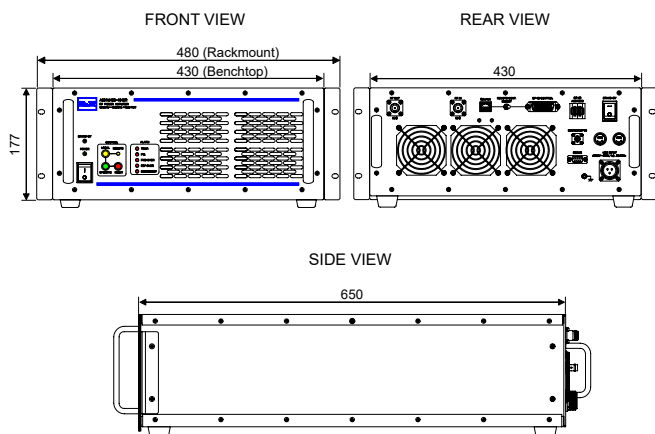


A691M402-4949R



OUTLINE DRAWING

※IN MILLIMETERS



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 690MHz-4000MHz
- Output Power (CW) : 75W(min.) @P3dB

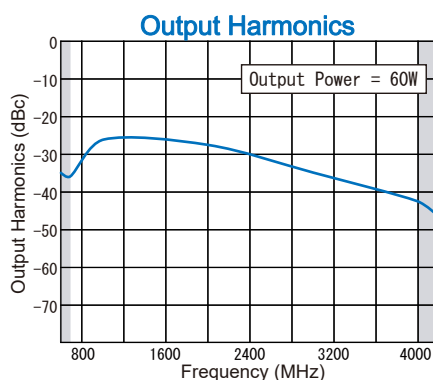
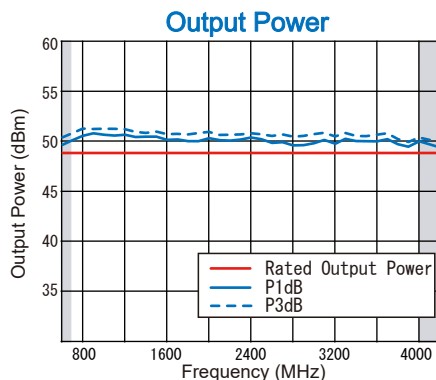
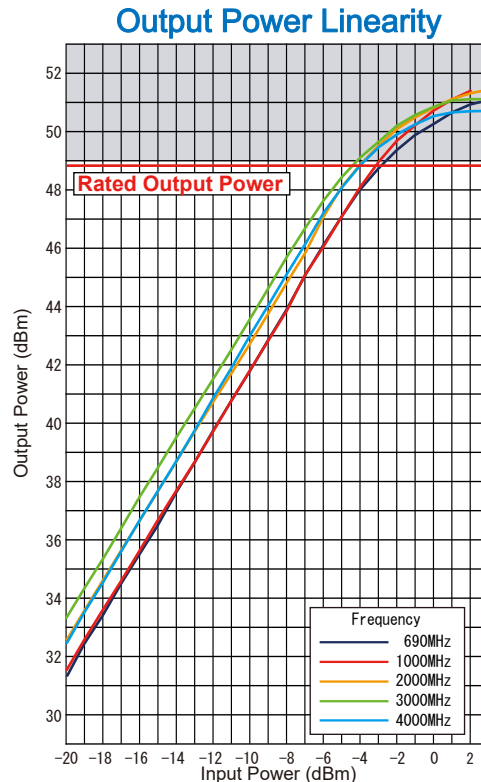
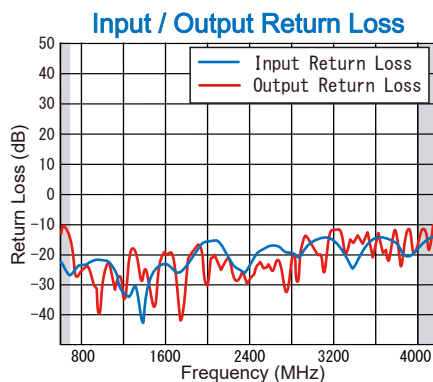
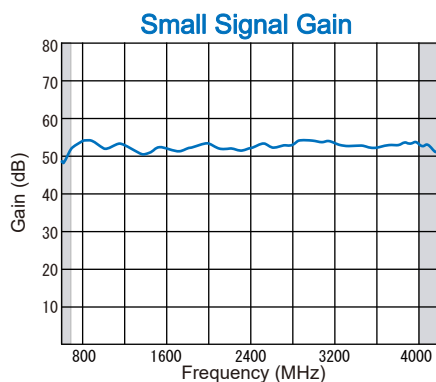
APPLICATIONS

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

SPECIFICATIONS @+25°C

Frequency Range	: 690MHz - 4000MHz
Small Signal Gain	: +49 dB (typ.), +48 dB (min.)
Gain Flatness	: ± 2 dB (max.)
Output Power (CW)	: 75W @Rated Output Power 75W (min.) @3dB Compression 60W (min.) @1dB Compression
Operation Mode	: Class A
Harmonics	: -20 dBc (max.) @Po=60W
Spurious	: -70 dBc (max.) @Po=60W
Impedance	: 50 Ω
Input Return Loss	: 9.5dB (min.) / VSWR 2.0:1 (max.)
Output Return Loss	: 7.4dB (min.) / VSWR 2.5:1 (max.)
Maximum RF Input Power	: +3 dBm
AC Supply Input	: Single-phase 90 - 240 VAC, 50/60Hz, 800VA
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	: 26 kg (typ.)
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Protection Forward Over Protection (@79W) Reflected Over Protection (@36W)
Remote Interface	: Ethernet(telnet) & GPIB (IEEE-488)
Other Functions	: Interlock (Emergency Stop)

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".

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