**RF POWER AMPLIFIER**

**R&K-A009K101-4747R**

- **Class A Linear Solid-State Amplifier**
- **Broadband Frequency:** 9kHz ~ 100MHz
- **Output Power:** 50W (min.) @1dB Comp.

**SPECIFICATIONS @ +25°C**

- **Frequency Range:** 9kHz ~ 100MHz
- **Small Signal Gain:** +47.00dB (min.)
- **Gain Flatness:** ±1.5dB (max.)
- **Output Power:** 50W (min.) @1dB Comp.
- **Operation Mode:** Class A
- **Output I.C.P.:** +55.0dBm (typ.)
- **Harmonics:** -20.0dBc (max.) @Po=50W
- **Spurious:** -70.0dBc (max.) @Po=50W
- **Impedance:** 50Ω
- **Input VSWR:** 2.0 (max.)
- **Output VSWR:** 3.0 (max.)
- **Maximum RF Input Power:** +3.0dBm
- **AC Supply Input:** AC100V±10% / 1φ, 50/60Hz, 600VA Δ1
- **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)449.5mm×(H)177mm
- **Weight:** 25.0kg (max.)
- **Cooling:** Forced Air Cooling
- **Protection Circuits:** Over Temperature Protection
- **Power Supply Voltage Protection**

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Gain Flatness**
- **Input / Output VSWR**
- **Output Power Linearity**
- **Output Harmonics**
- **Output Power 1dB Gain Comp.**

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: +81-545-31-1800 URL: http://rk-microwave.com

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