**RF POWER AMPLIFIER**

**R&K-A701M402-4747R**

- **Class A Linear Solid-State Amplifier**
- **Broadband Frequency: 700MHz ~ 4000MHz**
- **Output Power: 50W (min.) @1dB Comp.**

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 700MHz ~ 4000MHz
- **Small Signal Gain**: ±47.0dB (min.)
- **Gain Flatness**: ±3.0dB (max.)
- **Output Power**: 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**: 3.0 (max.)
- **Maximum RF Input Power**: +3.0dBm
- **AC Supply Input**: AC100V±10%/±1φ, 50/60Hz, 1kVA
- **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 x (D)649.5mm x (H)177mm
- **Weight**: 35.0kg (max.)
- **Cooling**: Forced Air Cooling
- **Protection Circuits**: Over Temperature Protection, Power Supply Voltage Protection, Output Over Power Protection, Output Over Reflection Power Protection

**TYPICAL PERFORMANCE (Temp @+25°C)**

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

- **Frequency (MHz)**: 700MHz, 1000MHz, 1500MHz, 2000MHz, 2500MHz, 3000MHz, 3500MHz, 4000MHz
- **VSWR**: 1.3, 1.5, 1.7, 1.9
- **Output Power (dBm)**: 30, 35, 40, 45, 50, 55
- **Output Harmonics (dBc)**: -50, -45, -40, -35, -30, -25, -20, -15, -10, -5, 0

**HOW TO ORDER**

- **Model Name**: R&K-A701M402-4747R OP XX
- **Option**: See Option Line up

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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: http://rkmicrowave.com

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