**RF POWER AMPLIFIER**

R&K-A009K401-4444R

- **Class A Linear Solid-State Amplifier**
- **Broadband Frequency**: 9kHz ~ 400MHz
- **Output Power**: 25W (min.) @1dB Comp.

**APPLICATION**
- EMC (Electromagnetic Compatibility)
- Etc...

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 9kHz ~ 400MHz
- **Small Signal Gain**: +44.0dB (min.)
- **Gain Flatness**: ±2.0dB (max.)
- **Output Power**: 25W (min.) @1dB Comp.
- **Operation Mode**: Class A
- **Output I.C.P.**: +54.0dBm (typ.)
- **Harmonics**: −20.0dBc (max.) @Po=25W
- **Spurious**: −65.0dBc (max.) @Po=25W
- **Impedance**: 50Ω
- **Input Return Loss**: 14.0dB (min.) / VSWR: 1.5 (max.) △1
- **Output Return Loss**: 6.0dB (typ.) / VSWR: 3.0 (typ.) △1
- **Maximum RF Input Power**: +3.0dBm
- **AC Supply Input**: AC90V ~ 240V / 1φ, 50/60Hz, 300VA
- **Operating Temperature**: 0°C to +40°C
- **Storage Temperature**: −15°C to +65°C
- **Connectors**: RF - IN N - FEMALE
- **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**

**OUTLINE DRAWING ※IN MILLIMETERS**

**APPLICATION SPECIFICATIONS**

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