**R&K-A009K251-4444R**

**Class A Linear Solid-State Amplifier**
- **Broadband Frequency**: 9kHz ~ 250MHz
- **Output Power**: 25W (min.) @1dB Comp.

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

**SPECIFICATIONS @ +25°C**
- **Frequency Range**: 9kHz ~ 250MHz
- **Small Signal Gain**: +44.0dB (min.)
- **Gain Flatness**: ±1.0dB (max.)
- **Output Power**: 25W (min.) @1dB Comp.
- **Operation Mode**: Class A
- **Output I.C.P.**: +52.0dBm (typ.)
- **Harmonics**: -20.0dBc (max.) @Po=25W
- **Spurious**: -65.0dBc (max.) @Po=25W
- **Impedance**: 50Ω
- **Input Return Loss**: 9.5dB (min.) / VSWR : 2.0 (max.)
- **Output Return Loss**: 6.0dB (min.) / VSWR : 3.0 (max.)
- **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
  RF - OUT N - FEMALE
- **Size**: (W)320mm×(D)350mm×(H)149mm
- **Weight**: 15.0kg (max.)
- **Cooling**: Forced Air Cooling
- **Protection Circuits**: Over Temperature Protection, Power Supply Voltage Protection

**OUTLINE DRAWING**

**TYPICAL PERFORMANCE (Temp @+25°C)**
- **Gain Flatness**
- **Input / Output VSWR**
- **Output Power Linearity**
- **Output Power 1dB Gain Comp.**
- **Output Harmonics**

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