**RF POWER AMPLIFIER**

**R&K-A009K401-5050R**

**Class A Linear Solid-State Amplifier**
**Broadband Frequency**: 9kHz ~ 400MHz
**Output Power (CW)**: 100W (min.) @1dB Comp.

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

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 9kHz ~ 400MHz
- **Small Signal Gain**: +50.0dB (min.)
- **Gain Flatness**: ±2.0dB (max.)
- **Output Power (CW)**: 100W (min.) @1dB Comp.
- **Operation Mode**: Class A
- **Output I.C.P.**: +58.0dBm (typ.)
- **Harmonics**: −20.0dBc (max.) @Po=100W
- **Spurious**: −65.0dBc (max.) @Po=100W
- **Impedance**: 50Ω
- **Input VSWR**: 2.0 (max.)
- **Output VSWR**: 3.0 (typ.)
- **Maximum RF Input Power**: +3.0dBm
- **AC Supply Input**: AC90V ~ 250V/1φ, 50/60Hz, 1.5kVA
- **Operating Temperature**: 0°C to +40°C
- **Storage Temperature**: −15°C to +65°C
- **Connectors**: RF IN - N, RF OUT - N, RF - IN - N - FEMALE, RF - OUT - N - FEMALE
- **Size**: (W)480mm × (D)649.5mm × (H)221.5mm
- **Weight**: 32.0kg (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)**

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

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