### R&K-A501M272-5151R

#### RF POWER AMPLIFIER

- **Class A Linear Solid-State Amplifier**
- **Broadband Frequency**: 500MHz ~ 2700MHz
- **Output Power (CW)**: 120W (min.) @1dB Comp.

#### APPLICATION
- **EMC (Electromagnetic Compatibility)**
- **Accelerator Application**
- **Telecommunication Test and Measurement Application**
- **etc.**

#### SPECIFICATIONS @ +25°C

- **Frequency Range**: 500MHz ~ 2700MHz
- **Small Signal Gain**: +5.0dB (min.)
- **Gain Flatness**: ±2.5dB (max.)
- **Output Power (CW)**: 120W (min.) @1dB Comp.
- **Operation Mode**: Class A
- **Output I.C.P.**: +61.0dBm (typ.)
- **Harmonics**: –20.0dBc (max.) @Po=120W
- **Spurious**: –70.0dBc (max.) @Po=120W
- **Impedance**: 50Ω
- **Input VSWR**: 2.0 (max.)
- **Output VSWR**: 3.0 (max.)
- **Maximum RF Input Power**: +1dBm
- **AC Supply Input**: AC200V ±10% / 1φ, 50/60Hz, 2kVA
- **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)599.5mm × (H)310.4mm (EIA:7U)
- **Weight**: 70.0kg (max.)
- **Cooling**: Forced Air Cooling
- **Protection Circuits**: Over Temperature Protection
  - Power Supply Voltage Protection
  - Output Over Power Protection
  - Output Over Reflection Power Protection

#### OUTLINE DRAWING

- **AMP. Unit**
- **P.S. Unit**

#### TYPICAL PERFORMANCE (Temp @+25°C)

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

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