**RF POWER AMPLIFIER**

**R&K-A701M282-4747R**

- **Class A Linear Solid-State Amplifier**
- **Broadband Frequency:** 700MHz~2800MHz
- **Output Power:** 50W (min.) @1dB Comp.

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

**SPECIFICATIONS @+25°C**

- **Frequency Range:** 700MHz ~ 2800MHz
- **Small Signal Gain:** +47.0dB (min.)
- **Gain Flatness:** ±2.0dB (max.)
- **Output Power:** 50W (min.) @1dB Comp.
- **Output I.C.P:** +57.0dBm (typ.)
- **Harmonics:** +20.0dBc (max.) @Po=50W
- **Spurious:** -60.0dBc (max.) @Po=50W
- **Operation Mode:** Class A
- **Impedance:** 50Ω
- **Input Return Loss:** 12.7dB (min.) / VSWR : 1.6 (max.)
- **Output Return Loss:** 9.5dB (min.) / VSWR : 2.0 (max.)
- **AC Supply Input:** AC100V ±10% / 1φ, 50/60Hz, 700VA
- **Maximum RF Input Power:** +3dBm
- **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)559.5mm×(H)177mm(EIA:4U)
- **Weight:** 20.0kg (typ.)
- **Cooling:** Forced Air Cooling
- **Protection Circuits:** Over Temperature Protection
  - Power Supply Voltage Protection
  - Output Over Power Protection
  - Output Over Reflected Power Protection

**Typical Performance (Temp @+25°C)**

- **Gain Flatness**
- **Input / Output VSWR**
- **Output Power Linearity**

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