R&K-A501M272-4747R

**APPLICATION**
- Class A Linear Solid-State Amplifier
- Broadband Frequency: 500MHz ~ 2700MHz
- Output Power (CW): 50W (min.) @ 1dB Comp.

**SPECIFICATIONS @ +25°C**
- Frequency Range: 500MHz ~ 2700MHz
- Small Signal Gain: +47.0 dB (min.)
- Gain Flatness: ±2.0 dB (max.)
- Output Power (CW): 50W (min.) @ 1dB Comp.
- Operation Mode: Class A
- Output I.C.P.: +57.0dBm (typ.)
- Harmonics: −20.0 dBc (max.) @ Po = 50W
- Spurious: −70.0 dBc (max.) @ Po = 50W
- Impedance: 50Ω
- Input VSWR: 2.0 (max.)
- Output VSWR: 2.0 (max.)
- Maximum RF Input Power: +3.0 dBm
- AC Supply Input: AC 100V ±10% / 50/60Hz, 1kVA
- 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)649.5mm×(H)177mm (EIA: 4U)
- Weight: 35.0 kg (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)**

- **Gain Flatness**
  - Frequency (MHz)
- **Input / Output VSWR**
  - Input VSWR
  - Output VSWR
- **Output Power 1dB Gain Comp.**
  - Output Power = 50W
- **Output Harmonics**
  - Frequency (MHz)

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, the export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan's "Foreign Exchange and Foreign Trade Law".