R&K-A501M272-4343R

**Class A Linear Solid-State Amplifier**
- Broadband Frequency: 500MHz ~ 2700MHz
- Output Power (CW): 20W (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: +43.0dB (min.)
- Gain Flatness: ±1.5dB (max.) \(\Delta_1\)
- Output Power (CW): 20W (min.) @1dB Comp.
- Output I.C.P: +53.0dBm (typ.)
- Harmonics: -18.0dBc (max.) @Po=20W
- Spurious: -60.0dBc (max.) @Po=20W \(\Delta_1\)
- Operation Mode: Class A
- Impedance: 50Ω
- Input Return Loss: 9.5dB (min.) / VSWR: 2.0 (max.)
- Output Return Loss: 9.5dB (min.) / VSWR: 2.0 (max.)
- AC Supply Input: AC100V±15% / 1φ, 50/60Hz, 300VA \(\Delta_3\)
- Maximum RF Input Power: +3.0dBm
- 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 x (D)449.5mm x (H)132.6mm (EIA:3U) \(\Delta_1\)
- Weight: 13.5kg (typ.) \(\Delta_3\)
- Cooling: Forced Air Cooling
- Protection Circuits: Over Temperature Protection
  Power Supply Voltage Protection

**TYPICAL PERFORMANCE (Temp @+25°C)**

**Gain Flatness**

**Input / Output Return Loss**
- Input Return Loss
- Output Return Loss

**Output Power Linearity**

**Output Harmonics**

**Output Power 1dB Gain Comp.**