**R&K-GA701M282-4850R-LCA**

**RF POWER AMPLIFIER**

- Broadband Frequency: 700MHz ~ 2800MHz
- Output Power (CW): 100W (typ.) @3dB Comp.
- Low Cost

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

**SPECIFICATIONS @+25℃**

- Frequency Range: 700MHz ~ 2800MHz
- Small Signal Gain: +48.0dB (min.)
- Gain Flatness: ±2.0dB (max.)
- Output Power (CW): 100W (typ.) @3dB Comp.
  - 80W (typ.) @1dB Comp.
  - 60W (min.) @1dB Comp.
- Operation Mode: Class A
- Output I.C.P.: +55.0dBm (typ.)
- Harmonics: -18.0dBc (max.) @Po=60W
- Spurious: -65.0dBc (max.) @Po=60W
- Noise Figure: 10.0dB (typ.)
- Impedance: 50Ω
- Input VSWR: 1.5 (max.)
- Output VSWR: 2.0 (max.)
- Maximum RF Input Power: +5dBm
- AC Supply Input: AC85V ~ AC250V / 1φ, 700VA
- Operating Temperature: 0℃ to +40℃
- Storage Temperature: -15℃ to +65℃
- Connectors: RF - IN N - FEMALE
  - RF - OUT N - FEMALE
- Size: (W)480mm × (D)500mm × (H)132.6mm
- Weight: 20.0kg (max.)
- Cooling: Forced Air Cooling
- Protection Circuits: Over Temperature Protection
  - Power Supply Voltage Protection

**TYPICAL PERFORMANCE (Temp @+25℃)**

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

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