R&K-A801M202-5050R

**Class A Linear Solid-State Amplifier**
- Broadband Frequency: 800MHz ~ 2000MHz
- Output Power (CW): 100W (min.) @1dB Comp.
- With Output Circulator

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

**SPECIFICATIONS @ +25°C**
- Frequency Range: 800MHz ~ 2000MHz
- Small Signal Gain: +50.0dB (min.)
- Gain Flatness: ±2.0dB (max.)
- Output Power (CW): 100W (min.) @1dB Comp.
- Operation Mode: Class A
- Output I.C.P.: +60.0dBm (typ.)
- Harmonics: -20.0dBc (max.) @Po=100W
- Spurious: -70.0dBc (max.) @Po=100W
- Impedance: 50Ω
- Input VSWR: 2.0 (max.)
- Output VSWR: 2.0 (max.)
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: AC200V ±10% / 1φ, 50/60Hz, 1.6kVA
- Operating Temperature: 0°C to +40°C
- Storage Temperature: -15°C to +65°C
- Connectors: RF-IN N-FEMALE @REAR PANEL
- RF-OUT N-FEMALE @REAR PANEL
- Size: (W)480mm × (D)649.5mm × (H)177mm (EIA: 4U)
- Weight: 40.0kg (max.)
- Cooling: Forced Air Cooling
- Protection Circuits: Over Temperature Protection
- Other Function: With Output Circulator

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Gain Flatness**
  - Gain (dB)
  - Frequency (MHz)

- **Input / Output VSWR**
  - VSWR
  - Input VSWR
  - Output VSWR

- **Output Power Linearity**
  - Output Power (dBm)
  - Frequency

- **Output Power 1dB Gain Comp.**
  - Output Power (dBm)
  - Frequency

- **Output Harmonics**
  - Output Harmonics (dBc)
  - Frequency

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