**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℃ to +40℃
- **Storage Temperature**: −15℃ to +65℃
- **Connectors**: RF-IN 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**
  - 60dBm
- **Input / Output VSWR**
- **Output Power Linearity**
  - 50W

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