**Class A Linear Solid-State Amplifier**

- **Broadband Frequency**: 1MHz~1000MHz
- **Output Power (CW)**: 100W (min.) @1dB Comp.

**APPLICATION**

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

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 1MHz~1000MHz
- **Small Signal Gain**: ±50.0dB (min.)
- **Gain Flatness**: ±3.0dB (max.)
- **Output Power (CW)**: 100W (min.) @1dB Comp.
- **Harmonics**: -20.0dBc (max.) @Po=100W
- **Spurious**: -70.0dBc (max.) @Po=100W
- **Operation Mode**: Class A
- **Output I.C.P.**: +60.0dBm (typ.)
- **Impedance**: 50Ω
- **Input VSWR**: 2.0 (max.)
- **Output VSWR**: 3.0 (typ.)
- **AC Supply Input**: AC200V±15%/1 φ, 50/60Hz, 2kVA
- **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
- **P.S. Unit**: RF - OUT N - FEMALE
- **Size AMP. Unit**: (W)480mm×(D)649.5mm×(H)310.4mm
- **Weight**: 75.0kg (max.)
- **Cooling**: Forced Air Cooling
- **Protection Circuits**: Over Temperature Protection, Power Supply Voltage Protection, Output Over Power Protection, Output Over Reflection Power Protection

**R & K-A001M102-5050R**

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Gain Flatness**
- **Input / Output VSWR**
- **Output Power Linearity**
- **Output Harmonics**
- **Input Power (dBm)**

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