2017 Model
R&K-A080M102-5252R

Class A Linear Solid-State Amplifier
- Broadband Frequency: 80MHz ~ 1000MHz
- Output Power (CW)
  - 80MHz ~ 200MHz: 100W (min.) @1dB Comp.
  - 200MHz ~ 1000MHz: 150W (min.) @1dB Comp.

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

SPECIFICATIONS @ +25°C
- Frequency Range: 80MHz ~ 1000MHz
- Small Signal Gain: +52.0dB (min.)
- Gain Flatness: ±2.0dB (max.)
- Output Power (CW)
  - 80MHz ~ 200MHz: 100W (min.) @1dB Comp.
  - 200MHz ~ 1000MHz: 150W (min.) @1dB Comp.
- Operation Mode: Class A
- Harmonics: -20.0dBc (max.) @Po=150W
- Spurious: -70.0dBc (max.) @Po=150W
- Impedance: 50Ω
- Input Return Loss: 9.5dB (min.)
- VSWR: 2.0 (max.)
- Output Return Loss: 7.4dB (typ.)
- VSWR: 2.5 (typ.)
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: AC200V ±15%/1φ, 50/60Hz, 2kVA
- Operating Temperature: 0°C to +35°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)559.5mm × (H)177mm (EIA: 4U)
- Weight: 28.0kg (typ.)
- Cooling: Forced Air Cooling
- Protection Circuits:
  - Over Temperature Protection
  - Power Supply Voltage Protection
  - Output Over Power Protection
  - Output Over Reflection Power Protection
- Other Functions:
  - GP-IB (IEEE-488)
  - Safety Interlock (EMERGENCY)

TYPICAL PERFORMANCE (Temp @ +25°C)

- Small Signal Gain
- Input / Output VSWR
- Output Power Linearity

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