2017 Model

R&K-A080M102-5454R

Class A Linear Solid-State Amplifier
Broadband Frequency: 80MHz ~ 1000MHz
Output Power (CW): 250W (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: +54.0dB (min.)
- Gain Flatness: ±2.5dB (max.)
- Output Power (CW): 250W (min.) @1dB Comp.
- 300W (min.) @3dB Comp.
- Operation Mode: Class A
- Harmonics: -20.0dBc (max.) @Po=250W
- Spurious: -70.0dBc (max.) @Po=250W
- Impedance: 50Ω
- Input VSWR: 2.0 (max.)
- Output VSWR: 2.5 (max.) Δ1
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: AC200V ±15%/1φ, 50/60Hz, 3.2kVA Δ1
- 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 CONTROL/P.S. Unit: (W)480mm×(D)649.5mm×(H)177mm (EIA:4U)
  F.A. Unit: (W)480mm×(D)649.5mm×(H)221.5mm (EIA:5U)
- Weight: 61.0kg (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)

OUTLINE DRAWING
※IN MILLIMETERS

TYPICAL PERFORMANCE (Temp @+25°C)

Small Signal Gain

Input / Output VSWR

Output Power Linearity

Output Harmonics

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