2018 Model
R&K-A101K501-5050R

Class A Linear Solid-State Amplifier
- Broadband Frequency: 100kHz ~ 505MHz
- Output Power (CW): 100W (min.) @1dB Comp.

APPLICATION
- EMC (Electromagnetic Compatibility)
- Etc...

SPECIFICATIONS @ +25°C
- Frequency Range: 100kHz ~ 505MHz
- Small Signal Gain: +50.0dB (min.)
- Gain Flatness: ±2.5dB (max.)
- Output Power (CW): 100W (min.) @1dB Comp.
- Operation Mode: Class A
- Harmonics: -20.0dBc (max.) @Po=100W
- Spurious: -70.0dBc (max.) @Po=100W
- Impedance: 50Ω
- Input VSWR: 2.0 (max.)
- Output VSWR: 3.0 (typ.)
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: AC100V~240V/1φ, 50/60Hz, 1.5kVA
- 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)221.5mm (EIA:5U)
- Weight: 32.5kg (typ.)
- Cooling: Forced Air Cooling
- Protection Circuits:
  - Over Temperature Protection
  - Power Supply Voltage Protection
  - Output Over Power Protection
  - Output Over Reflected Power Protection
- Other Functions:
  - GP-IB (IEEE-488)
  - Safety Interlock (EMERGENCY)

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TYPICAL PERFORMANCE (Temp @ +25°C)

- Small Signal Gain
- Input / Output VSWR
- Output Power Linearity
- Output Harmonics
- Output Power 1dB Gain Comp.