2018 Model
R&K-A101K102-5050R

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 100kHz ~ 1000MHz
- Output Power (CW): 100W (min.) @ 3dB Comp.

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

SPECIFICATIONS @ +25°C
- Frequency Range: 100kHz ~ 1000MHz
- Small Signal Gain: +50.0dB (min.)
- Gain Flatness: ±3.0dB (max.)
- Output Power (CW): 80W (min.) @ 1dB Comp.
  100W (min.) @ 3dB Comp.
- Harmonics: -20.0dBc (max.) @ Po=100W
- Spurious: -75.0dBc (max.) @ Po=100W
- Impedance: 50Ω
- Input Return Loss: 14.0dB (min.) / VSWR: 1.5 (max.)
- Maximum RF Input Power: +3dBm
- AC Supply Input: AC200V ±15%/50/60Hz, 1.6kVA
- Operating Temperature: -10°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)430mm×(D)650mm×(H)177mm(EIA:4U)
  *Excluding Projection
- Weight: 32.0kg (typ.)
- Cooling: Forced Air Cooling
- Protection Circuits: Over Temperature Protection
  Power Supply Voltage Protection
  Output Over Power Protection (110W)
  Output Over Reflected Power Protection (60W)
- Remote Interface: [Standard] GP-IB (IEEE-488)
  [Optional] Ethernet, RS-232C
- Other Function: Safety Interlock (EMERGENCY)

TYPICAL PERFORMANCE (Temp @ +25°C)

- Small Signal Gain
- Input Return Loss
- Output Power 1dB & 3dB Gain Comp.
- Output Harmonics

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