2020 Model
R&K-A101K102-4747R

Class A Linear Solid-State Amplifier
Broadband Frequency: 100kHz ~ 1000MHz
Output Power (CW): 50W (typ.) @3dB Comp.

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

SPECIFICATIONS @ +25°C

- Frequency Range: 100kHz ~ 1000MHz
- Small Signal Gain: +47.0dB (min.)
- Gain Flatness: ±3.0dB (max.)
- Output Power (CW): 35W (typ.), 25W (min.) @1dB Comp., 50W (typ.), 40W (min.) @3dB Comp.
- Harmonics: -20.0dBc (max.) @Po=30W
- Spurious: -70.0dBc (max.) @Po=50W
- Impedance: 50Ω
- Input Return Loss: 14.0dB (min.) / VSWR: 1.5 (max.)
- Maximum RF Input Power: +3dBm
- AC Supply Input: AC90V ~ 240V / 1φ, 50/60Hz, 800VA
- 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)430mm×(D)560mm×(H)177mm (EIA:4U) *Excluding Projection
- Weight: 20.5kg (typ.)
- Cooling: Forced Air Cooling
- Protection Circuits: Over Temperature Protection, Power Supply Voltage Protection
- Other Function: Safety Interlock (EMERGENCY)

TYPICAL PERFORMANCE (Temp @+25°C)

Small Signal Gain
Input Return Loss
Output Power Linearity
Output Harmonics

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