2020 Model
R&K-A101K501-4646R

■ Class A Linear Solid-State Amplifier
■ Broadband Frequency: 100kHz ~ 505MHz
■ Output Power (CW): 40W (min.) @1dB Comp.

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

SPECIFICATIONS @ +25°C

- Frequency Range: 100kHz ~ 505MHz
- Small Signal Gain: +46.0dB (min.)
- Gain Flatness: ±2.0dB (max.)
- Output Power (CW): 40W (min.) @1dB Comp.
- Output I.C.P: +54.0dBm (typ.)
- Harmonics: −20.0dBc (max.) @Po=40W
- Spurious: −70.0dBc (max.) @Po=40W
- Operation Mode: Class A
- Impedance: 50Ω
- Input Return Loss: ≥9.5dB (min.) / VSWR: ≥2.0 (max.)
- Output Return Loss: ≥6.0dB (typ.) / VSWR: ≥3.0 (typ.)
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: AC90V~240V/1φ, 50/60Hz
- 400VA (typ.), 500VA (max.)
- Operating Temperature: 0°C to +40°C
- Storage Temperature: −15°C to +65°C
- Connectors: RF - IN N - FEMALE
- RF - OUT N - FEMALE
- Size: (W)430mm×(D)449.5mm×(H)132.6mm (EIA:3U) *Excluding Projection
- Weight: 14.5kg (typ.)
- Cooling: Forced Air Cooling
- Protection Circuits: Over Temperature Protection
- Power Supply Voltage Protection

TYPICAL PERFORMANCE (Temp @+25°C)

Small Signal Gain

Input / Output VSWR

Output Power Linearity

Output Harmonics

Output Power 1dB Gain Comp.