2020 Model
R&K-A101K501-4646R

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

APPLICATION

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℃ to +40℃
Storage Temperature: −15℃ to +65℃
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 1dB Gain Comp.
Output Harmonics
Output Power Linearity

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