RF POWER AMPLIFIER

R&K-A010K221-6464R

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APPLICATION

- Class A Linear Solid-State Amplifier
- Broadband Frequency: 10kHz ~ 225MHz
- Output Power (CW): 2.5kW @Psat.

SPECIFICATIONS @ +25°C

- Frequency Range: 10kHz ~ 225MHz
- Small Signal Gain: +64.0dB (min.)
- Gain Flatness: ±2.0dB (max.)
- Output Power @Psat.: 2.5kW (min.) ⊂ 1dB Comp. @1kHz ~ 100MHz:
- Output Power @Psat.: 2.0kW (min.) ⊂ 1dB Comp. @1kHz ~ 100MHz:
- Derating slope of 4W/MHz
- Derating slope of 6.4W/MHz
- Operation Mode: Class A
- Harmonics: -20.0dBc (max.) @Po=1570W
- Spurious: -70.0dBc (max.) @Po=1570W
- Impedance: 50Ω
- Input Return Loss: 9.5dB (min.) / VSWR: 2.0 (max.)
- Maximum RF Input Power: +1.0dBm
- AC Supply Input: AC200V ±10%/3φ
- Operating Temperature: 0°C to +35°C
- Storage Temperature: -15°C to +65°C
- Connectors: RF - IN N - FEMALE @REAR PANEL
- RF - OUT 7/16" - FEMALE @REAR PANEL
- Size Without Rack: (W)450mm×(D)850mm×(H)797mm(EIA:18U)
- Rack Mounting: (W)560mm×(D)1000mm×(H)1015mm
- Weight Without Rack: 160kg (typ.)
- Rack Mounting: 250kg (typ.)
- Cooling: Forced Air Cooling
- Protection Circuits: Over Temperature Protection
- Power Supply Voltage Protection
- Output Over Power Protection(≥2.75kW)
- Output Over Reflected Power Protection(≥1.2kW)
- Remote Interface: [Standard] GPIB (IEEE-488)
- [Optional] Ethernet, RS-232C
- Other Functions: R&K Multi Monitoring System
- Safety Interlock(EMERGENCY)

OUTLINE DRAWING

OUTLINE DRAWING ※IN MILLIMETERS

TYPICAL PERFORMANCE (Temp @+25°C)

Small Signal Gain

Input VSWR

Output Power Linearity

Output Power 1dB Gain Comp. & Psat.

Output Harmonics

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