RF POWER AMPLIFIER

R&K-A010K221-7070R

All Solid-State Amplifier
■ Broadband Frequency:10kHz~225MHz
■ Output Power
  10kHz ~ 100MHz:10kW (min.) @Psat
  100MHz ~ 225MHz: 6kW (min.) @Psat
■ Building-block Construction

APPLICATION

TYPICAL PERFORMANCE (Temp @+25℃)

SPECIFICATIONS @ +25℃

- Frequency Range: 10kHz ~ 225MHz
- Small Signal Gain: +70.0dB (min.)
- Gain Flatness: ±2.0dB (max.)
- Output Power
  10kHz ~ 100MHz: 10kW (min.) @Psat
  100MHz ~ 225MHz: 6kW (min.) @Psat
- Output I.C.P.: ±77.0dBc
- Harmonics: -20.0dBc
- Spurious: -70.0dBc
- Impedance: 50Ω
- Input VSWR: 2.0 (max.)
- Output VSWR: 3.0 (max.)
- Maximum RF Input Power: +1.0dBm
- AC Supply Input: AC200V±15% 3φ, 50/60Hz, 55.5kVA
- Operating Temperature: 0℃ to +35℃
- Storage Temperature: -15℃ to +55℃
- Connectors: RF IN, - FEMALE
- Size: (W)560mm × (D)1000mm × (H)1992mm ×2Units
- Weight: 1200.0kg (max.)
- Cooling: Forced Air Cooling
- Protection Circuits
  - Over Temperature Protection
  - Power Supply Voltage Protection
  - Output Over Power Protection
  - Output Over Reflection Power Protection
- Other: R&K Multi Monitoring System

HOW TO ORDER

Model Name
R&K-A010K221-7070R OP XX
Option: See Option Line up

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, the export of R&K products from Japan may be subject to an export license by the government of Japan, based on Japan’s “Foreign Exchange and Foreign Trade Law.”

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TYPICAL PERFORMANCE (Temp @+25°C)

Output Power Stability

Output Power v.s. Time

Output Power (dBm)

Temperature (°C)

Time (minute)

Out-LINE DRAWING

*IN MILLIMETERS

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