R&K-A010K221-7070RW

- **Broadband Frequency:** 10kHz ~ 225MHz
- **Output Power:** 10kW @ Psat
- **Water Cooling**

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

**SPECIFICATIONS @ +25°C**
- **Frequency Range:** 10kHz ~ 225MHz
- **Small Signal Gain:** +7.0dB (min.)
- **Gain Flatness:** ±2.0dB (max.)
- **Output Power @ Psat:** 10kW (min.) @ 10kHz ~ 100MHz
  - 6kW @ 100MHz ~ 225MHz
  - @ 1dB Comp.: 7kW (min.) @ 10kHz ~ 100MHz
  - 5kW @ 100MHz ~ 225MHz
- **Output I.C.P.:** +77.0dBm (typ.)
- **Harmonics:** -20.0dBc (max.) @ Po=6kW
- **Spurious:** -70.0dBc (max.) @ Po=6kW
- **Impedance:** 50Ω
- **Input VSWR:** 1.5 (max.)
- **Output VSWR:** 3.0 (max.)
- **Maximum RF Input Power:** +1.0dBm
- **AC Supply Input:** AC200V ±15%/3φ, 50/60Hz, 55kVA
- **Operating Temperature:** 0°C to +35°C
- **Storage Temperature:** -15°C to +55°C
- **Connectors:** RF - IN: N - FEMALE
  - RF - OUT: 1-5/8” - FEMALE
- **Size:** (W)560mm x (D)100mm x (H)2081mm x 2Units
  - (Excluding Projection)
- **Weight:** 1200.0kg (max.)
- **Cooling:** Forced Air Cooling and Water 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

**TYPICAL PERFORMANCE (Temp @+25°C)**

**Gain Flatness**
- Gain (dB) vs. Frequency (MHz)

**Input / Output VSWR**
- VSWR vs. Frequency (MHz)

**Output Power Linearity**
- Output Power (dBm) vs. Frequency (MHz)

**Output Harmonics**
- Output Harmonics (dBc) vs. Frequency (MHz)

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TYPICAL PERFORMANCE (Temp @+25°C)

Output Power Stability

Output Power vs Time

Measured at 100MHz

OUTLINE DRAWING

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