**PULSED RF POWER AMPLIFIER**

**R&K-GA11424BW200-5757RP**

- **X-Band All Solid State Amplifier**
- **Broadband Frequency:** 11.424GHz ± 0.1GHz
- **Output Power:** 400W (min.) @ Pulse
- **With Output Circulator**

**SPECIFICATIONS @ +25°C**

- **Frequency Range:** 11.424GHz ± 100MHz
- **Small Signal Gain:** ± 57.0dB (min.)
- **Gain Flatness:** ± 0.7dB (max.)
- **Output Power:** 400W (min.) @ 11.424GHz, Pulse
- **Operation Mode:** Class AB
- **Harmonics:** -40.0dBc (max.) @ Po=400W
- **Spurious:** -65.0dBc (max.) @ Po=400W
- **Impedance:** 50Ω
- **Input Return Loss:** -30.0dB (max.)
- **Output Return Loss:** -40.0dB (max.)
- **Maximum RF Input Power:** 3.0dBm
- **AC Supply Input:** AC100V ± 10% / 1φ, 50/60Hz, 1kVA
- **Operating Temperature:** 0°C to +40°C
- **Storage Temperature:** -15°C to +65°C
- **Connectors:** RF - IN N - FEMALE
- **Size:** (W)480mm × (D)600mm × (H)221.5mm
- **Weight:** 75.0kg (max.)
- **Cooling:** Forced Air Cooling and Water Cooling
- **Protection Circuits:** Power Supply Voltage Protection, Over Temperature Protection, Over Power Protection, Over Reflection Power Protection
- **Other:** With Output Circulator

**HOW TO ORDER**

Model Name: R&K-GA11424BW200-5757RP OP XX

Option: Ask
**PULSED RF POWER AMPLIFIER**

**TYPICAL PERFORMANCE (Temp @+25°C)**

**Measuring Points**

- Blanking
- P.S. Pulse
  - DUTY 2%
- RF Pulse
  - DUTY 1%

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**Output Phase Stability v.s. Time**

**Output Phase Stability v.s. Time**

**Output Phase Stability v.s. Pout**

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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, R&K cannot accept products to any country for use in military or defense applications.