R&K-A324BW0.4-6767RP

All Solid-State Amplifier
- Frequency Range: 324MHz ± 0.2MHz
- Output Power: 5kW (min.) @ Peak (Pulse)

SPECIFICATIONS @ +25°C
- Frequency Range: 324MHz ± 0.2MHz
- Gain: +67.0dB (min.) @ Po=5kW
- Gain Flatness: ±0.3dB (max.) @ Po=5kW
- Output Power: 5kW (min.) @ Peak
- Operation Mode: Class AB
- Pulse Width: 100μs Duty: 1%
- Harmonics: -30.0dBc (max.) @ Po=5kW
- Spurious: -65.0dBc (max.) @ Po=5kW
- Impedance: 50Ω
- Input VSWR: 1.5 (max.)
- Output VSWR: 2.0 (max.)
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: 400VA (max.) @ Po=5kW
- Operating Temperature: 0°C to +35°C
- Storage Temperature: -15°C to +55°C
- Connectors:
  - RF - IN: N - FEMALE
  - RF - OUT: N - FEMALE
  - BLANKING IN: BNC - FEMALE
- Size: (W)480mm×(D)649.5mm×(H)132.6mm
- Weight: 30.0kg (max.)
- Cooling: Forced Air Cooling
- Protection Circuits:
  - Over Temperature Protection
  - Power Supply Voltage Protection
  - Output Over Power Protection
  - Output Over Reflection Power Protection
- Other:
  - With Output Circulator

HOW TO ORDER
Model Name: R&K-A324BW0.4-6767RP
- No Option

Typical Performance (Temp @ +25°C)
- Gain Flatness
- Input / Output VSWR
- Output Power Linearity
- Harmonics

R&K reserves the right to make changes in the specifications 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 from any country for use in military or defense applications.

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**Measuring Points**

- **Duty**: 1%
- **Pulse Period**: 10mS (100pps)
- **Pulse Width**: 100μS
- **Blanking**: 103μS

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**Input Pulse Characteristics**

- **Frequency**: 324.0MHz  
  - **Pin**: 0dBm

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**Input Pulse**

**Pulse Rise**

**Pulse Fall**
TYPICAL PERFORMANCE (Temp @+25℃)

- **Output Pulse Characteristics**
  - **Frequency:** 323.8MHz  **Po:** 5kW
    - **Output Pulse**
    - **Pulse Rise**
    - **Pulse Fall**

  - **Frequency:** 324.0MHz  **Po:** 5kW
    - **Output Pulse**
    - **Pulse Rise**
    - **Pulse Fall**

  - **Frequency:** 324.2MHz  **Po:** 5kW
    - **Output Pulse**
    - **Pulse Rise**
    - **Pulse Fall**

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**Output Power / Phase Stability**

**Output Power v.s. Time**

- **Frequency**: 324MHz
- **Pulse Width**: 100μsec
- **Pulse Period**: 10msec

**Phase Stability v.s. Time**

- **Frequency**: 324MHz
- **Output Power**: 5kW
- **Pulse Width**: 100μsec
- **Pulse Period**: 10msec

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