R&K-A1300BW10-6369R

■ All Solid-State Amplifier
■ Frequency Range : 1300MHz ± 5MHz
■ Output Power : 8kW (min.) @ 1dB Comp.
■ CW, 100% DUTY CAPABILITY
■ VERY HIGH RELIABILITY

SPECIFICATIONS @ +25°C

- Frequency Range: 1300MHz ± 5MHz
- Small Signal Gain: +63.0dB (min.)
- Output Power: 8kW (min.) @ 1dB Comp.
- Gain Flatness: ± 2.0dB (max.) @ P0 = 1kW ~ 8kW
- Phase Flatness: ± 10° (max.) @ P0 = 1kW ~ 8kW
- Harmonics: -40.0dBc (max.) @ P0 = 8kW
- Spurious: -65.0dBc (max.) @ P0 = 8kW
- Impedance: 50Ω
- Input VSWR: 1.5 (max.)
- Maximum RF Input Power: +10.0dBm
- AC Supply Input: AC200V ± 10% / 3φ, 50/60Hz, 30kVA
- Operating Temperature: +5°C to +40°C
- Storage Temperature: −15°C to +55°C
- Connectors: RF-IN N-FEMALE
- RF-OUT WR650
- Size: (W)660mm × (D)1100mm × (H)1910mm (Excluding Projection)
- Weight: 450.0kg (max.)
- Cooling: Forced Air Cooling and Water Cooling
- Protection Circuits: Over Temperature Protection
- Output Over Power Protection
- Power Supply Voltage Protection
- Other: R&K Multi Monitoring System

HOW TO ORDER

Model Name: R&K-A1300BW10-6369R OP XX

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.
TYPICAL PERFORMANCE (Temp @+25°C)
Phase Noise

- Frequency = 1295MHz  Output Power = 8kW @CW

- Frequency = 1300MHz  Output Power = 8kW @CW

- Frequency = 1305MHz  Output Power = 8kW @CW
Pulse Characteristic

- Frequency = 1295MHz  Output Power = 8kW  Pulse Width = 100μs  Duty = 10%

- Frequency = 1300MHz  Output Power = 8kW  Pulse Width = 100μs  Duty = 10%

- Frequency = 1305MHz  Output Power = 8kW  Pulse Width = 100μs  Duty = 10%
**HIGH POWER AMPLIFIER**

**TYPICAL PERFORMANCE (Temp @+25°C)**

**Power Stability** (Free Running data at Room Temperature)

- Frequency = 1300MHz  Output Power = 8kW @CW

**Phase Stability** (Free Running data at Room Temperature)

- Frequency = 1300MHz  Output Power = 8kW @CW