R&K-A101K251-5050R

Small Size / Light Weight
All Solid-State Amplifier
Broadband Frequency: 100kHz ~ 250MHz
Output Power (CW): 100W @ 1dB Comp.

APPLICATION
- Bunch by Bunch Feedback System for Synchrotron (Storage Ring)
- EMC (Electromagnetic Compatibility), etc.

SPECIFICATIONS @ +25°C
- Frequency Range: 100kHz ~ 250MHz
- Small Signal Gain: +50.0dB (min.)
- Gain Flatness: ±1.5dB (max.)
- Output Power (CW): 100W (typ.) @ 1dB Comp.
- 80W (min.) @ 1dB Comp.
- Operation Mode: Class A
- Harmonics: -20.0dBc (max.) @ Po=100W
- Spurious: -70.0dBc (max.) @ Po=100W
- Impedance: 50Ω
- Input VSWR: 2.0 (max.)
- Output VSWR: 3.0 (max.)
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: AC85V ~ AC250V/1φ, 50/60Hz, 600VA
- Operating Temperature: -10°C to +40°C
- Storage Temperature: -15°C to +55°C
- Connectors: RF - IN N - FEMALE
- RF - OUT N - FEMALE
- Size: (W)482.4mm × (D)430mm × (H)88mm (EIA: 2U)
- Weight: 17kg (max.)
- Cooling: Forced Air Cooling
- Protection: Over Temperature Protection
- Power Supply Voltage Protection
- Output Over Power Protection
- Output Over Reflection Power Protection

Small Signal Gain
Input / Output VSWR
Output Power Linearity

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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