R&K-A080M102-5757R

Class A Linear Solid-State Amplifier
Broadband Frequency: 800MHz ~ 1000MHz
Output Power (CW): 500W (min.) @ 1dB Comp.
Building-block Construction Design

APPLICATION
- EMC (Electromagnetic Compatibility)
- Accelerator Application
- Telecommunication Test and Measurement Application
- Etc...

SPECIFICATIONS @ +25℃
- Frequency Range: 80MHz ~ 1000MHz
- Small Signal Gain: +57.0dB (min.)
- Gain Flatness: ±3.0dB (max.)
- Output Power (CW): 500W (min.) @ 1dB Comp.
- 600W (min.) @ 3dB Comp. △2
- Operation Mode: Class A
- Output I.C.P.: +67.0dBm (typ.)
- Harmonics: -20.0dBc (max.) @ Po=500W
- Spurious: -70.0dBc (max.) @ Po=500W
- Impedance: 50Ω
- Input VSWR: 2.0 (max.)
- Output VSWR: 3.0 (max.)
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: AC200V±15%/3φ, 50/60Hz, 7.6kVA △1△3
- Operating Temperature: 0°C to +35°C
- Storage Temperature: -15°C to +65°C
- Connectors: RF-IN: N-FEMALE @ REAR PANEL
- RF-OUT: 7/16-FEMALE @ REAR PANEL
- Size: (W)560mm × (D)1000mm × (H)926mm
  (Excluding Projection)
- Weight: 250.0kg (max.)
- Cooling: Forced Air Cooling
- Protection Circuits: Over Temperature Protection
  Power Supply Voltage Protection
  Output Over Power Protection
  Output Over Reflection Power Protection
- Other Functions: R&K Multi Monitoring System
  GP-IB (IEEE-488)
  Safety Interlock (EMERGENCY)

TYPICAL PERFORMANCE (Temp @ +25℃)

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.”