R&K-GA701M602-5350R

**Ultra Wide Band Power Amplifier**
- Broadband Frequency: 700MHz ~ 6000MHz
- Output Power (CW): 100W (typ.) @ 3dB Comp.

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

**SPECIFICATIONS @ +25°C**
- Frequency Range: 700MHz ~ 6000MHz
- Small Signal Gain: +53.0dB (min.)
- Gain Flatness: ±2.5dB (max.)
- Output Power (CW): 100W (typ.) / 80W (min.) @ 3dB Comp.
- 50W (typ.) / 40W (min.) @ 1dB Comp.
- Impedance: 50Ω
- Input VSWR: 2.0 (max.)
- Output VSWR: 3.0 (max.)
- Maximum RF Input Power: +3.0dBm
- AC Supply Input: AC200V ±10% / 50 / 60Hz, 1.6kVA
- Operating Temperature: 0°C to +35°C
- Storage Temperature: −15°C to +65°C
- Connectors: RF-IN N-FEMALE @REAR PANEL
  RF-OUT N-FEMALE @ REAR PANEL
- Size: (W)480mm x (D)649.5mm x (H)177mm (EIA:4U)
- Weight: 40.0kg (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: GP-IB (IEEE-488)
  Safety Interlock (EMERGENCY)

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Small Signal Gain**
  - Frequency (MHz): 700MHz ~ 6000MHz
  - Gain (dB): 10, 20, 30, 40, 50, 60, 70, 80

- **Input / Output VSWR**
  - Frequency (MHz): 700MHz ~ 6000MHz
  - VSWR: 1.0, 1.5, 2.0, 2.5, 3.0

- **Output Power Linearity**
  - Frequency (MHz): 700MHz ~ 6000MHz
  - Output Power: 1dB Gain Comp., 3dB Gain Comp.

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."