**APPLICATION**

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

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 2500MHz ~ 6000MHz
- **Small Signal Gain**: +46.0dB (min.)
- **Gain Flatness**: ±2.5dB (max.)
- **Output Power (CW)**: 40W (min.) @1dB Comp.
  - 50W (typ.) @1dB Comp.
- **Harmonics**: -20.0dBc (max.) @Po=40W
- **Spurious**: -70.0dBc (max.) @Po=40W
- **Impedance**: 50Ω
- **Input Return Loss**: 9.5dB (min.) / VSWR : 2.0 (max.)
- **Output Return Loss**: 9.5dB (min.) / VSWR : 2.0 (max.)
- **Maximum RF Input Power**: +3.0dBm
- **AC Supply Input**: AC100V~240V / 1φ , 50/60Hz, 700VA
- **Operating Temperature**: 0℃ to +40℃
- **Storage Temperature**: -15℃ to +65℃
- **Connectors**:
  - RF-IN : N-FEMALE
  - RF-OUT : N-FEMALE
- **Size**: (W)480mm×(D)449.5mm×(H)132.6mm (EIA:3U)
- **Weight**: 20.0kg (max.)
- **Cooling**: Forced Air Cooling
- **Protection Circuits**:
  - Over Temperature Protection
  - Power Supply Voltage Protection
- **Other Function**: With Output Circulator

**TYPICAL PERFORMANCE (Temp @+25°C)**

- **Gain (dB) / Output Power (dBm)**
- **Input / Output Return Loss**
- **Output Power 1dB Gain Comp.**
- **Output Harmonics**

---

**NOTE**

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.”