**RF POWER AMPLIFIER**

**R&K-GA681M971-5050M**

- Broadband Frequency: 680MHz~970MHz
- Output Power: 100W (min.) @Psat.
- In-band Gain: +50.0dB (min.)
- RoHS Compliant
- GaN DEVICE

**SPECIFICATIONS @ +25℃**

- Frequency Range: 680MHz ~ 970MHz
- In-band Gain: +50.0dB (min.)
- Output Power: 100W (min.) @Psat.
- Impedance: 50Ω
- Operation Mode: Class AB
- Harmonics: -30.0dBc (max.) @Po=100W
- Spurious: -60.0dBc (max.) @Po=100W
- Input Return Loss: -18.0dB (max.)
- Output Return Loss: -18.0dB (max.)
- FWD Monitor Return Loss: -18.0dB (max.)
- FWD Monitor Coupling: -39.0dB±2.0dB
- Output I.C.P.: +45.0dBm (typ.)
- Noise Figure: 12.0dB (typ.)
- Maximum RF Input Power: +2.0dBm
- DC Supply Input: +48V±5% 6.5A (max.) +15V±5% 1.0A (max.)
- Storage Temperature: -15℃ to +85℃
- Cooling: Forced Air Cooling Required
- Connectors: RF - IN SMA - FEMALE, RF - OUT SMA - FEMALE, FWD MON SMA - FEMALE, INTERFACE D-Sub Connector
- Size: (W)210mm×(D)120mm×(H)25mm
- Weight: 800g (typ.)
- Others: Forward RF Monitor With Output Circulator

**TYPICAL PERFORMANCE (Temp @+25℃)**

- **Gain Flatness**
- **Input / Output Return Loss**
- **Harmonics**
- **Output Power Linearity**

**HOW TO ORDER**

Model Name
R&K-GA681M971-5050M
No Option

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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 expect products to any country for use in military or defense applications.