R&K-A102M202-5858R

**Class A Linear Solid-State Amplifier**
- **Frequency Range**: 1000MHz~2000MHz
- **Output Power**: 600W (typ.) @Psat.

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

**SPECIFICATIONS @+25°C**
- **Frequency Range**: 1000MHz ~ 2000MHz
- **Gain Flatness**: +2.0dB (max.)
- **Output Power**: 600W (typ.) @Psat. (Δ1 Δ2)
- **Operation Mode**: Class A
- **Harmonics**: ≤ 20.0dBc (max.) @Po=600W
- **Spurious**: ≤ 70.0dBc (max.) @Po=600W
- **Impedance**: 50Ω
- **Input VSWR**: 1.5 (max.)
- **Output VSWR**: 2.0 (max.)
- **Maximum RF Input Power**: ≤ 3.0dBm
- **AC Supply Input**: AC200V ±10% / 50/60Hz, 5kVA
- **Operating Temperature**: 0°C to +35°C
- **Storage Temperature**: -15°C to +55°C
- **Connectors**: RF - IN N - FEMALE
- **Size**: (W)560mm x (D)853mm x (H)1011mm
- **Weight**: 220.0kg (max.)
- **Cooling**: Forced Air Cooling
- **Protection Circuits**: Over Temperature Protection
- **Power Supply Voltage Protection**
- **Output Over Power Protection**
- **Output Over Reflection Power Protection**
- **R&K Multi Monitoring System**

**HOW TO ORDER**

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<tr>
<th>Model Name</th>
<th>R&amp;K-A102M202-5858R OP XX</th>
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<tr>
<td>Option</td>
<td>See Option Line up</td>
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**Typical Performance (Temp @+25°C)**

- **Small Signal Gain**: Output Power = 600W
- **Input VSWR**: Input VSWR vs. Frequency (MHz)
- **Output Power Linearity**: Output Power vs. Input Power (dBm)
- **Output Harmonics**: Output Harmonics vs. Frequency (MHz)

R&K reserves the right to make changes in the specifications 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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