

R&K-A101K251-6060R



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 100kHz ~ 250MHz
- Output Power : 1kW (min.) @ 1dB Comp.

SPECIFICATIONS @ +25°C

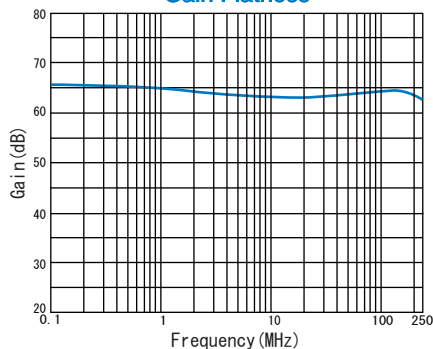
Frequency Range	: 100kHz ~ 250MHz
Small Signal Gain	: +60.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	: 1kW (min.) @ 1dB Comp.
Operation Mode	: Class A
Output I.C.P.	: +70.0dBm (typ.)
Harmonics	: -20.0dBc (max.) @ Po=1kW
Spurious	: -65.0dBc (max.) @ Po=1kW
Impedance	: 50Ω
Input VSWR	: 1.5 (max.)
Output VSWR	: 2.5 (max.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V ± 15% / 3φ, 50/60Hz, 8kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE RF - OUT 7/16" - FEMALE
Size	: 19" System Rack, EIA (H)28U (W)560mm × (D)853mm × (H)1515mm
Weight	: 400kg (max.)
Cooling	: Forced Air Cooling
Protection	: P.S. Alarm, TEMP. Alarm FWD Over Alarm (FWD Power 110%) REF Over Alarm (REF Power 60%)

HOW TO ORDER

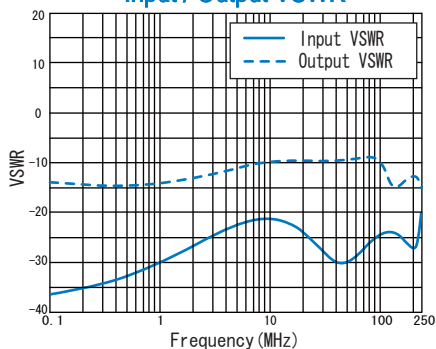
Model Name
R&K- A101K251-6060R **T1** — T1 = TYPE I
T2 = TYPE II
T3 = TYPE III

TYPICAL PERFORMANCE (Temp @ +25°C)

Gain Flatness

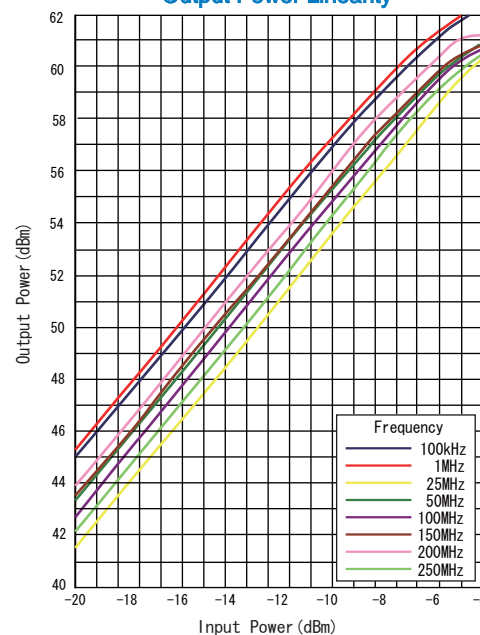


Input / Output VSWR

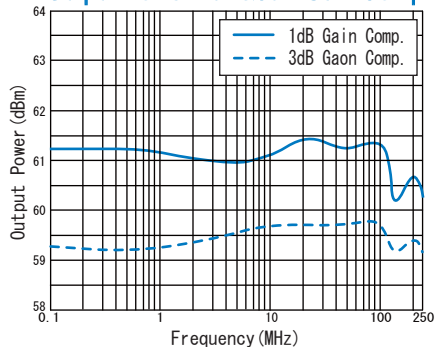


T1 = TYPE I : Standard
T2 = TYPE II : 100% of rated power without foldback
REF Over Alarm (REF Power 110%)
T3 = TYPE III : Without FWD&REF Over Alarm
※For details T2/T3, please contact our factory!!

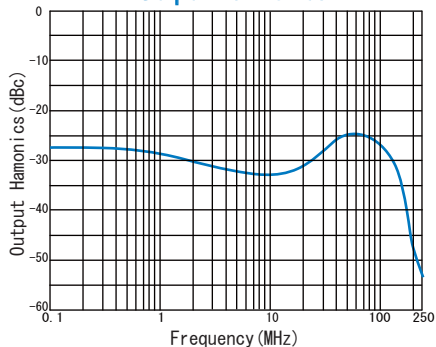
Output Power Linearity



Output Power 1dB&3dB Gain Comp.



Output Harmonics



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

R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel : +81-545-31-2600 E-mail : info@rkco.jp
Fax : +81-545-31-1600 URL : http://rk-microwave.com