

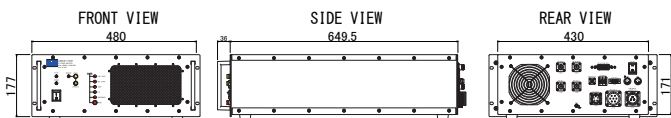
R&K-A009K401-5353R



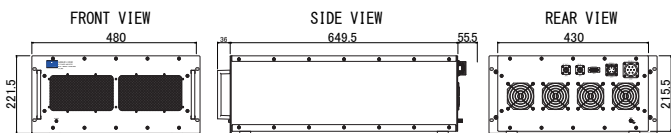
OUTLINE DRAWING

※ IN MILLIMETERS

DA / P.S. Unit Δ3



FA. Unit



- Class A Linear Solid-State Amplifier
- Broadband Frequency : 9kHz~400MHz
- Output Power (CW) : 200W (min.) @1dB Comp.

APPLICATION

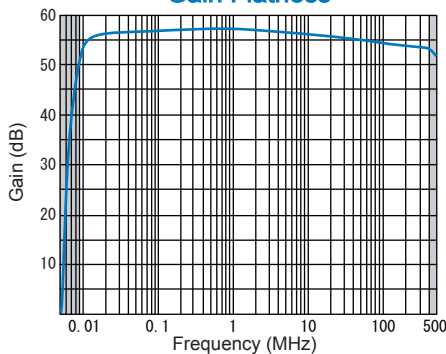
- EMC (Electromagnetic Compatibility)
- Etc...

SPECIFICATIONS @ +25°C

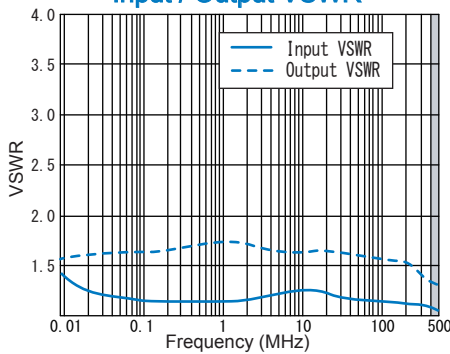
Frequency Range	: 9kHz ~ 400MHz
Small Signal Gain	: +53.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power (CW)	: 200W (min.) @1dB Comp.
Operation Mode	: Class A
Output I.C.P.	: +63.0dBm (typ.)
Harmonics	: -18dBc (max.) @Po=200W
Spurious	: -60dBc (max.) @Po=200W
Impedance	: 50Ω
Input Return Loss	: 14.0dB (min.) / VSWR : 1.5 (max.) Δ4
Output Return Loss	: 6.0dB (typ.) / VSWR : 3.0 (typ.) Δ2
Maximum RF Input Power	: +3dBm
AC Supply Input	: AC200V ±15% / 1φ, 50/60Hz, 3kVA Δ4
Operating Temperature	: 0°C to +40°C Δ1
Storage Temperature	: -15°C to +65°C
Connectors	: RF-IN N-FEMALE RF-OUT N-FEMALE
Size DA / P.S. Unit	: (W)480mm×(D)649.5mm×(H)177mm(EIA:4U)
FA Unit	: (W)480mm×(D)649.5mm×(H)221.5mm(EIA:5U) Δ2
Weight	: 65.0kg (typ.) Δ4
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection Output Over Power Protection Output Over Reflected Power Protection
Other Functions	: GP-IB (IEEE-488) Safety Interlock (EMERGENCY)

TYPICAL PERFORMANCE (Temp @+25°C)

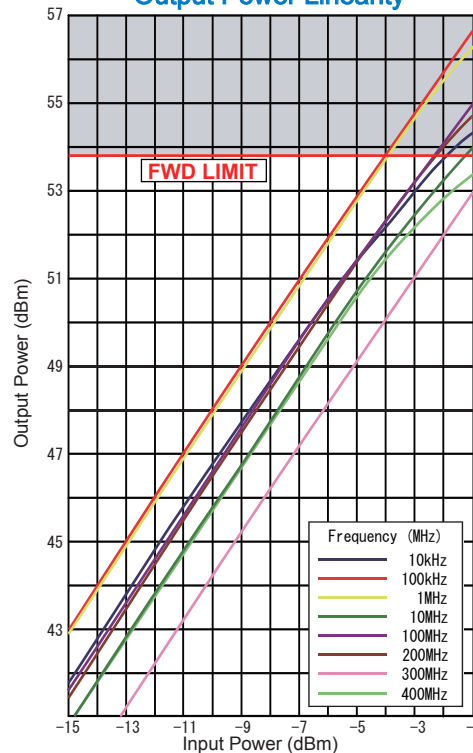
Gain Flatness



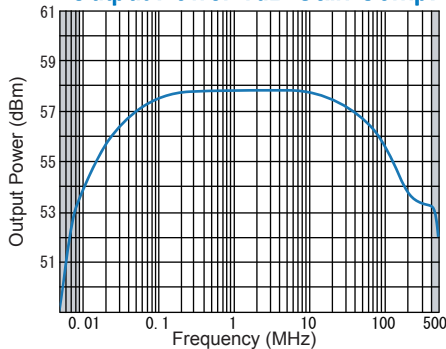
Input / Output VSWR



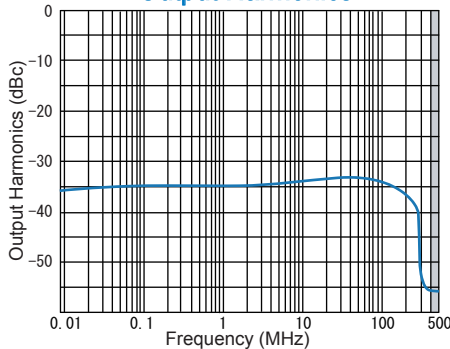
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



*CHANGE Δ1 13/Jul./2013 Δ2 23/Jan./2014 Δ3 18/Nov./2016 Δ4 30/Aug./2018

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".

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