

# RF POWER AMPLIFIER



## R&K-A009K401-5353R

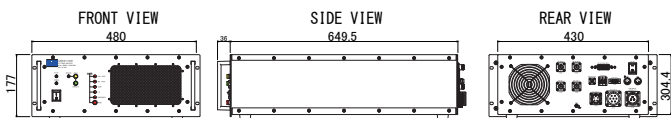


### OUTLINE DRAWING

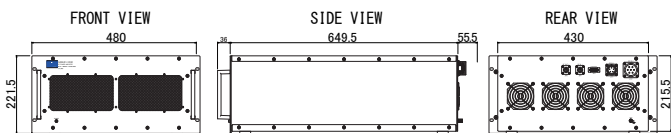
※ IN MILLIMETERS

#### 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

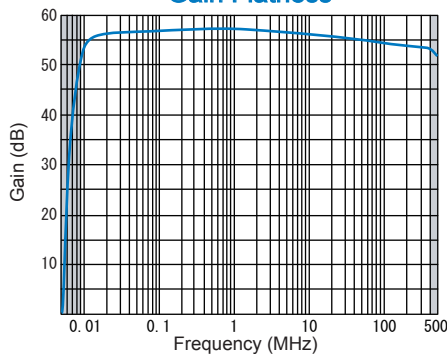
- EMC(Electromagnetic Compatibility)
- Etc...

### SPECIFICATIONS @ +25°C

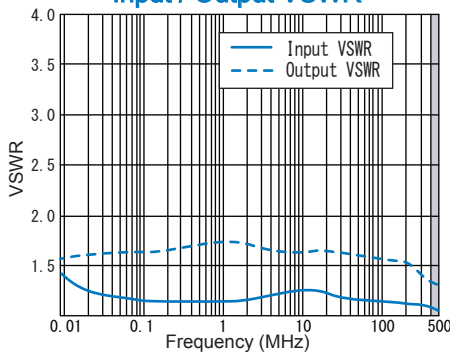
Frequency Range	: 9kHz ~ 400MHz
Small Signal Gain	: + 53.0dB (min.)
Gain Flatness	: ± 2.0dB (max.)
Output Power (CW)	: 200W (min.) @1dB Comp.
Operation Mode	: Class A
Output I.C.P.	: + 63.0dBm (typ.)
Harmonics	: - 18dBc (max.) @Po=200W
Spurious	: - 60dBc (max.) @Po=200W
Impedance	: 50Ω
Input Return Loss	: 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% / 1 φ, 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)

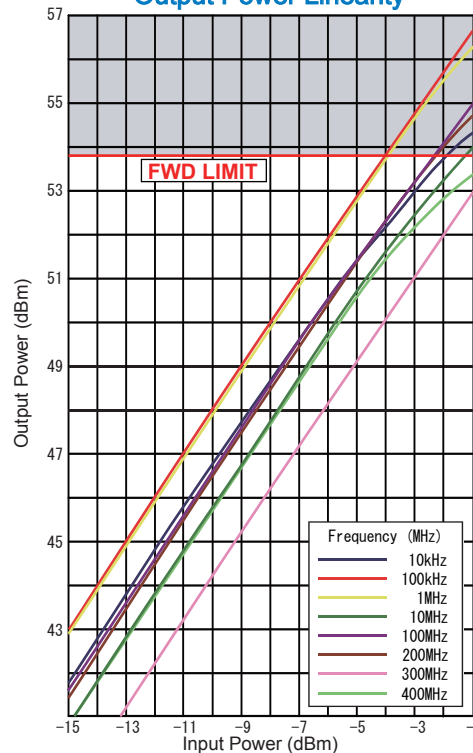
#### Gain Flatness



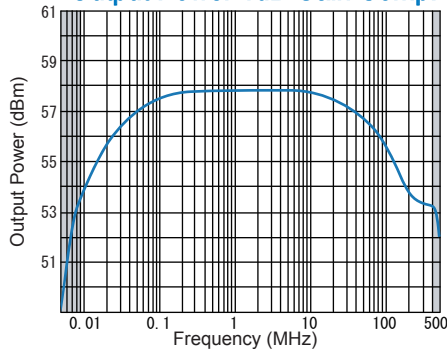
#### Input / Output VSWR



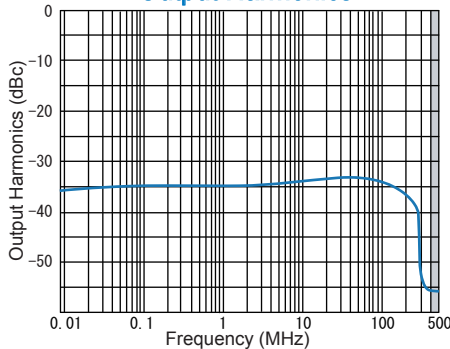
#### Output Power Linearity



#### Output Power 1dB Gain Comp.



#### Output Harmonics



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

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