RF POWER AMPLIFIER

R&K-A009K401-4444R

■ Class A Linear Solid-State Amplifier
■ Broadband Frequency : 9kHz～400MHz
■ Output Power : 25W (min.) @1dB Comp.

APPLICATION

- EMC(Electromagnetic Compatibility)
- Etc...

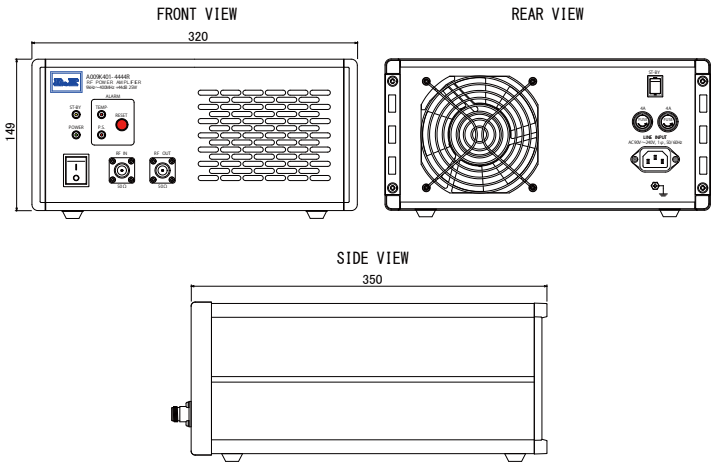
SPECIFICATIONS @+25℃

Frequency Range	: 9kHz ～ 400MHz
Small Signal Gain	: +44.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	: 25W (min.) @1dB Comp.
Operation Mode	: Class A
Output I.C.P.	: +54.0dBm (typ.)
Harmonics	: −20.0dBc (max.) @Po=25W
Spurious	: −65.0dBc (max.) @Po=25W
Impedance	: 50Ω
Input Return Loss	: 14.0dB (min.) ／ VSWR : 1.5 (max.) Δ1
Output Return Loss	: 6.0dB (typ.) ／ VSWR : 3.0 (typ.) Δ1
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC90V～240V／1φ, 50／60Hz, Δ2 300VA
Operating Temperature	: 0℃ to +40℃
Storage Temperature	: −15℃ to +65℃
Connectors	: RF - IN N - FEMALE RF - OUT N - FEMALE
Size	: (W)320mm×(D)350mm×(H)149mm
Weight	: 11.0kg (typ.) Δ1
Cooling	: Forced Air Cooling
Protection Circuits	: Over Temperature Protection Power Supply Voltage Protection

OUTLINE DRAWING

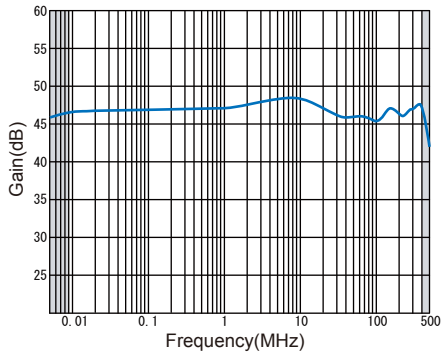
※IN MILLIMETERS

Δ2

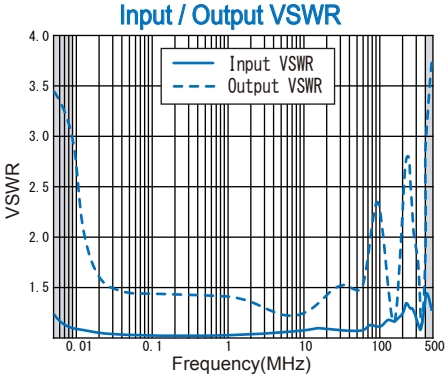


TYPICAL PERFORMANCE (Temp @+25℃)

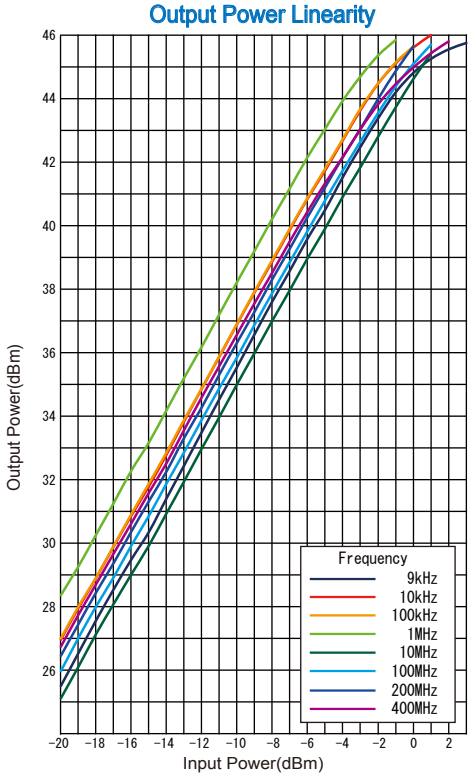
Gain Flatness



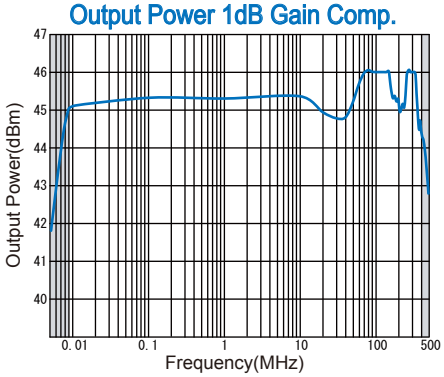
Input / Output VSWR



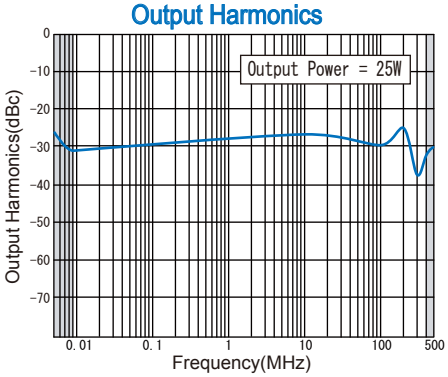
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



＊CHANGE Δ1 1/Jun./2018 Δ2 20/Oct./2020

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