

RF POWER AMPLIFIER



2017 Model

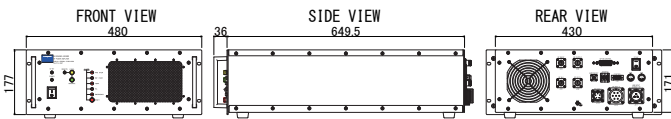
R&K-A101K501-5353R



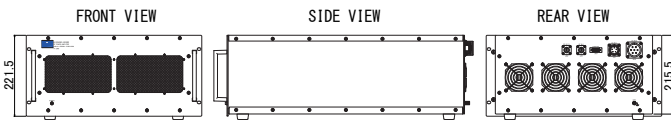
OUTLINE DRAWING

※IN MILLIMETERS

D.A. / P.S. Unit



F.A. Unit



- Class A Linear Solid-State Amplifier
- Broadband Frequency: 100kHz~505MHz
- Output Power (CW) : 200W (min.) @1dB Comp.

APPLICATION

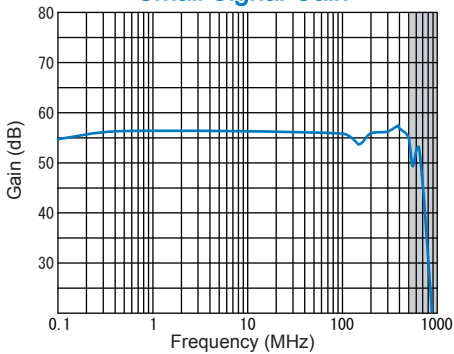
- EMC (Electromagnetic Compatibility)
- Etc...

SPECIFICATIONS @ +25°C

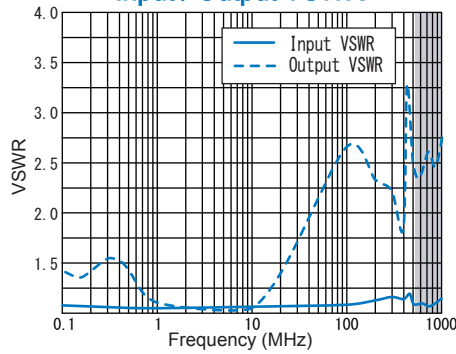
Frequency Range	: 100kHz ~ 505MHz
Small Signal Gain	: +53.0dB (min.)
Gain Flatness	: ±2.5dB (max.)
Output Power (CW)	: 200W (min.) @1dB Comp.
Operation Mode	: Class A
Harmonics	: -20.0dBc (max.) @Po=200W
Spurious	: -70.0dBc (max.) @Po=200W
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 3.0 (typ.)
Maximum RF Input Power	: +3.0dBm
AC Supply Input	: AC200V±15%/1φ, 50/60Hz, 3kVA
Operating Temperature	: 0°C to +35°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN N - FEMALE @REAR PANEL RF - OUT N - FEMALE @REAR PANEL
Size	D.A./P.S. Unit : (W)480mm × (D)649.5mm × (H)177mm F.A. Unit : (W)480mm × (D)649.5mm × (H)221.5mm
Weight	: 62.8kg (typ.)
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)

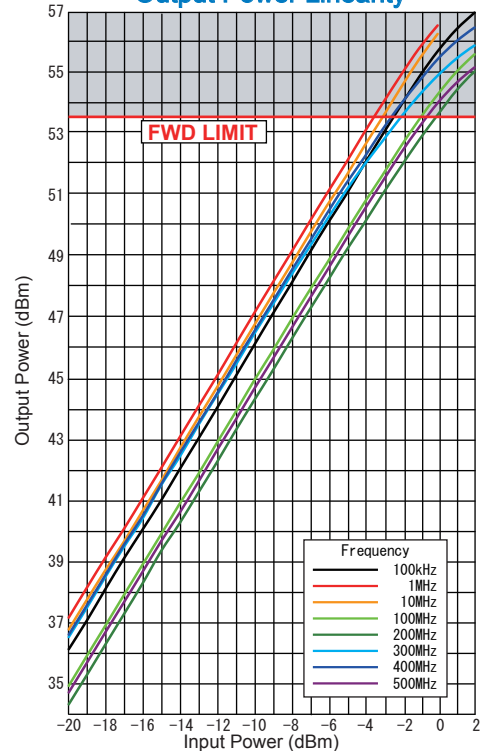
Small Signal Gain



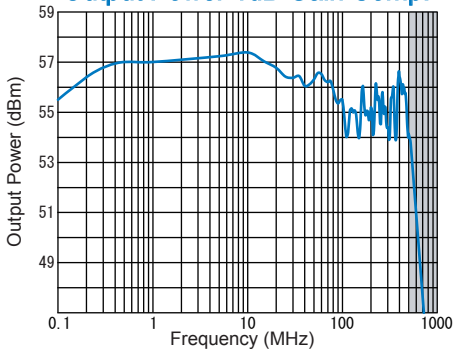
Input / Output VSWR



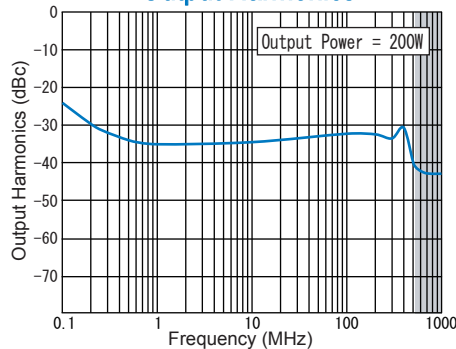
Output Power Linearity



Output Power 1dB Gain Comp.



Output Harmonics



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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