

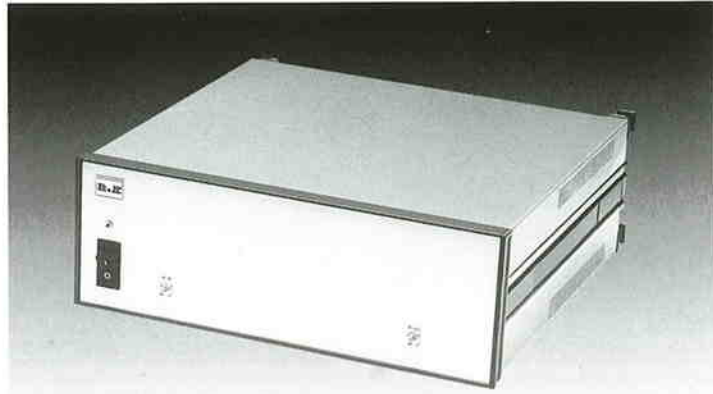
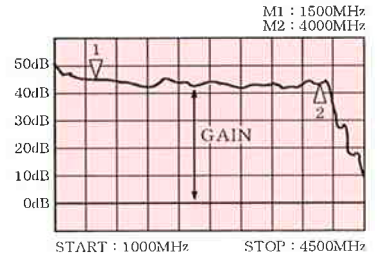


# MICROWAVE GaAs FET AMPLIFIER

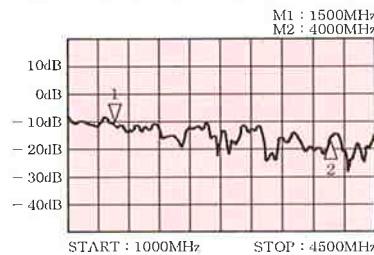
## MODEL R&K A1540-4237-R

- BROADBAND FREQUENCY: 1500~4000MHz
- HIGH POWER: 5W min. (@1dB Comp.)
- HIGH RELIABILITY GaAs FET CONSTRUCTION
- FOR COMMUNICATIONS TEST EQUIPMENT

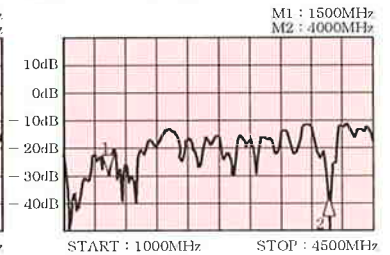
### ■ SMALL SIGNAL GAIN



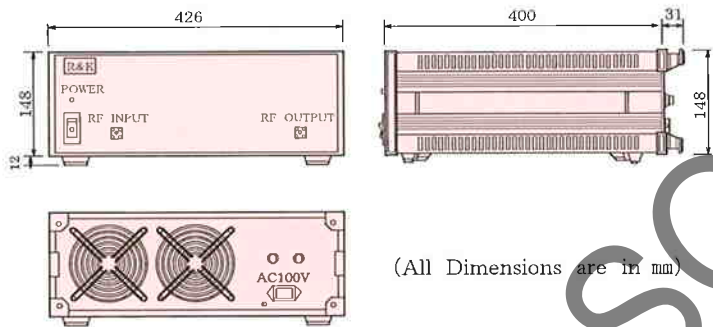
### ■ INPUT RETURN LOSS



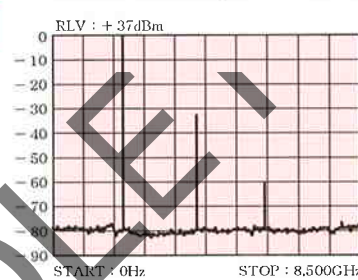
### ■ OUTPUT RETURN LOSS



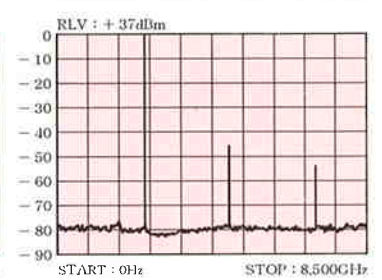
### DIMENSION



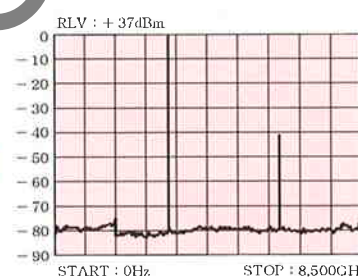
### ■ HARMONICS (Fo = 2.0GHz/5W)



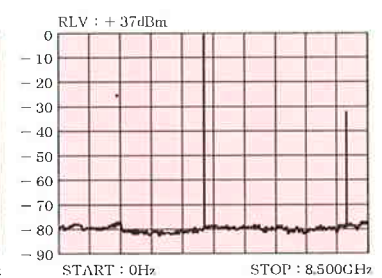
### ■ HARMONICS (Fo = 2.4GHz/5W)



### ■ HARMONICS (Fo = 3.2GHz/5W)



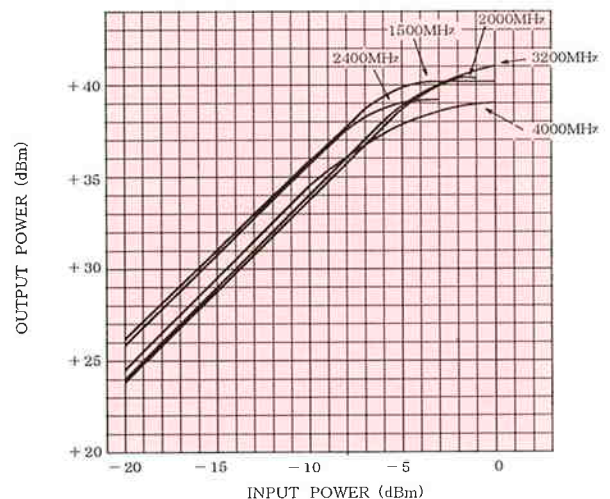
### ■ HARMONICS (Fo = 4.0GHz/5W)



### SPECIFICATIONS

1. Input/Output Frequency Range 1500~4000MHz (min.)
2. Small Signal Gain +42dB (min.)
3. Power Gain @1dB Compression +41dB (min.)
4. Power Gain Flatness ±2.0dB (max.)
5. Power Output (@1dB Comp.) 5W (min.)
6. Amplifier Operation Mode Class A Linear
7. 2 Tone 3rd Order Intercept Point +47dBm (typ.)
8. Input/Output Impedance 50 Ω Nominal
9. Input VSWR 2.0 (max.)
10. Output VSWR 3.0 (max.)
11. Harmonics -20dBc (max.) @ Full Power
12. Spurious -65dBc (max.) @ Full Power
13. Input Noise Figure 10dB (typ.)
14. Output Power Duty Ratio 100% C.W.
15. Connectors RF Input SMA - Female
- RF Output SMA - Female
16. AC Supply Input Connector Inlet Socket Type
- Ground Connector Terminal On Back Panel
18. Open/Short Circuit Protection Protected Infinite VSWR
19. Integral Temperature Sensor +70°C Internally Protected
20. Integral Over Current Protection 10A (max.)
21. AC Power Supply Input 100V, AC · 50/60Hz · 3A (max.)
22. Cooling Integral Forced Air Cooling
23. Operating Temperature -10°C~+45°C
24. Storage Temperature -15°C~+65°C
25. Weight 25kg以下

### ■ INPUT - OUTPUT LINEARITY



### R&K Company Limited.

121-6 Yunoki, Fuji-City, Shizuoka-Pref. Japan.  
Phone:0545-64-0559 FAX:0545-64-0507