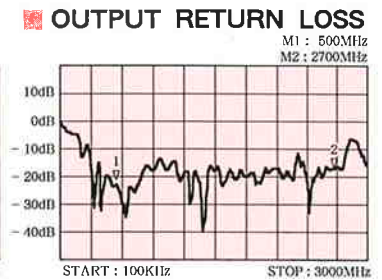
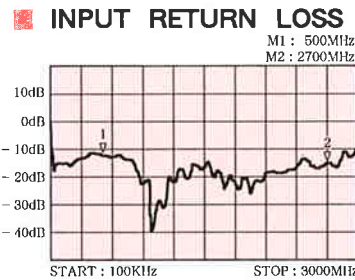
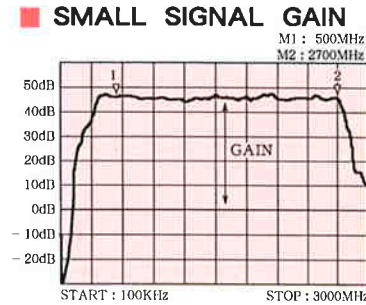




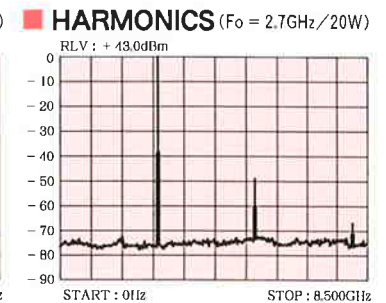
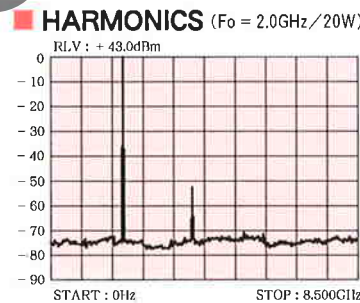
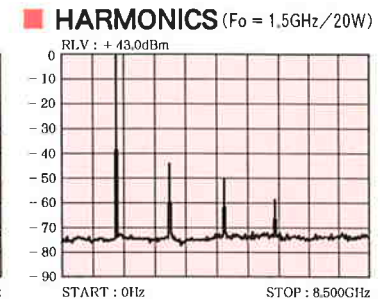
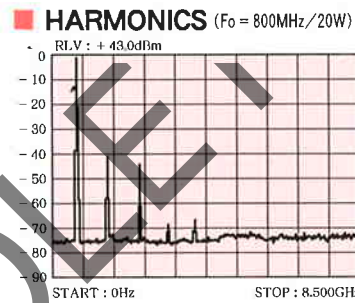
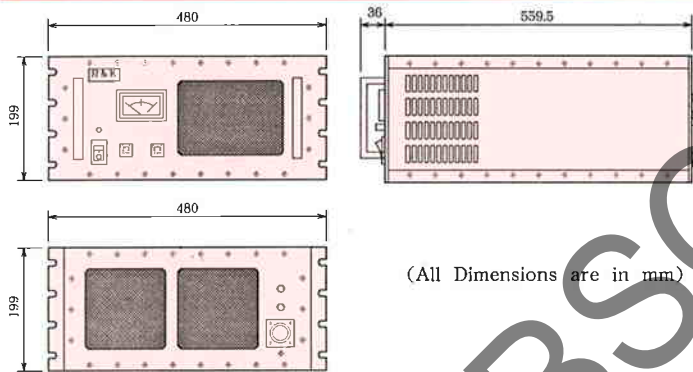
# MICROWAVE GaAs FET AMPLIFIER

## MODEL R&K A0527-4343-R

- BROADBAND FREQUENCY : 500~2700MHz
- HIGH POWER : 20W min. (@1dB Comp.)
- HIGH RELIABILITY GaAs FET CONSTRUCTION
- FOR COMMUNICATIONS TEST EQUIPMENT

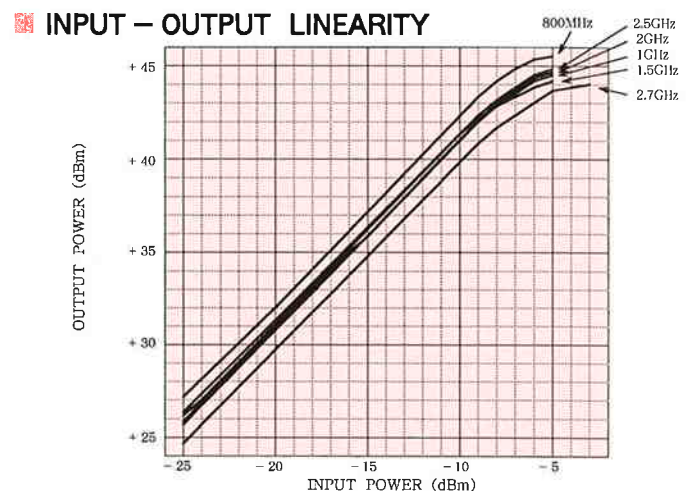


### DIMENSION



### SPECIFICATIONS

- |                                     |  |
|-------------------------------------|--|
| 1. Input/Output Frequency Range     | 500~2700MHz (min.)                                     |
| 2. Small Signal Gain                | +44dB (min.)   |
| 3. Power Gain @1dB Compression      | +43dB (min.)   |
| 4. Power Gain Flatness              | ±2.0dB (max.)  |
| 5. Power Output (@1dB Comp.)        | 20W (min.)   |
| 6. Amplifier Operation Mode         | Class A Linear   |
| 7. 2 Tone 3rd Order Intercept Point | +53dBm (typ.)  |
| 8. Input/Output Impedance           | 50 Ω Nominal   |
| 9. Input VSWR                       | 1.8 (max.)   |
| 10. Output VSWR                     | 2.0 (max.)   |
| 11. Harmonics                       | -18dB (max.) @ Full Power                              |
| 12. Spurious                        | -60dB (max.) @ Full Power                              |
| 13. Input Noise Figure              | 10dB (typ.)  |
| 14. Output Power Duty Ratio         | 100% C.W.  |
| 15. Connectors                      | RF Input: SMA - Female<br>RF Output: SMA - Female      |
| 16. AC Supply Input Connector       | Cannon Type AC Connector                               |
| 17. Ground Connector                | Terminal On Back Panel<br>Integral AC/Ground Connector |
| 18. Open/Short Circuit Protection   | Protected 6:1 VSWR                                     |
| 19. Integral Temperature Sensor     | +65°C Internally Protected                             |
| 20. AC Power Supply Input           | 100V, AC·50/60Hz·7.2A (max.)                           |
| 21. Cooling                         | Integral Forced Air Cooling                            |
| 22. Operating Temperature           | -10°C~+45°C  |
| 23. Storage Temperature             | -15°C~+65°C  |
| 24. Weight                          | 35kg   |



R&K Company Limited.

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