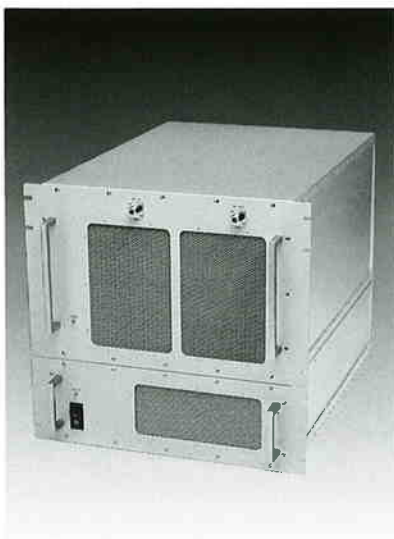




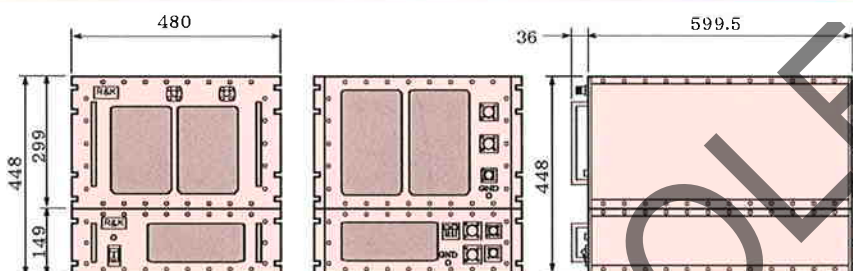
MICROWAVE GaAs FET AMPLIFIER

MODEL R&K A0825-5050-R

- BROADBAND FREQUENCY : 800~2500MHz
- HIGH POWER : **100W min.** (@ 1dB Comp.)
- HIGH RELIABILITY GaAs FET CONSTRUCTION
- AM · FM · SSB CW · PULSE
- 19 INCHES RACK SIZE



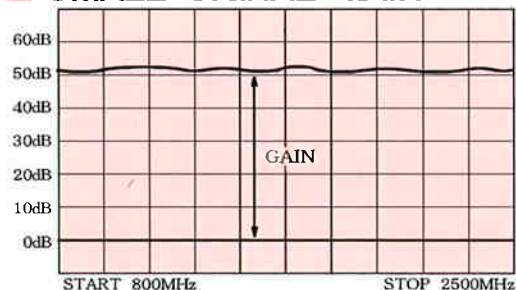
DIMENSIONS



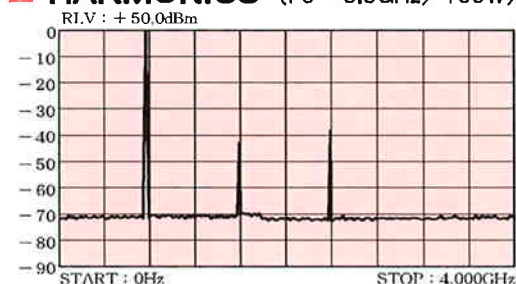
SPECIFICATIONS

1. Input/Output Frequency Range 800MHz~2500MHz (min.)
2. Small Signal Gain +50dB (min.)
3. Power Gain @1dB Compression +49dB (min.)
4. Power Gain Flatness ±2.0dB (max.)
5. Power Output (@1dB Comp.) 100W (min.)
6. Amplifier Operation Mode Class A Linear
7. 2 Tone 3rd Order Intercept Point +60dBm (typ.)
8. Input/Output Impedance 50 Ω Nominal
9. Input VSWR 2.0 (max.)
10. Output VSWR 2.0 (max.)
11. Harmonics -25dBc (max.) @ Full Power
12. Spurious -60dBc (max.) @ Full Power
13. Input Noise Figure 10dB (typ.)
14. Output Power Duty Ratio 100% C.W.
15. Connectors RF Input N - Female
RF Output N - Female
16. AC Supply Input Connector Cannon Type AC Connector
Terminal On Back Panel
Integral AC/Ground Connector
17. Ground Connector Protected 6 : 1 VSWR
+ 65 °C Internally Protected
30.0A (max)
200V, AC · 50 / 60Hz · 15A (max.)
Integral Forced Air Cooling
18. Open/Short Circuit Protection - 10 °C ~ + 45 °C
19. Integral Temperature Sensor - 15 °C ~ + 65 °C
20. Integral Over Current Protector 60.0 kg
21. AC Power Supply Input
22. Cooling
23. Operating Temperature
24. Storage Temperature
25. Weight

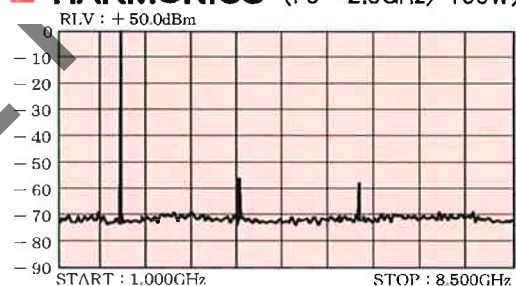
SMALL SIGNAL GAIN



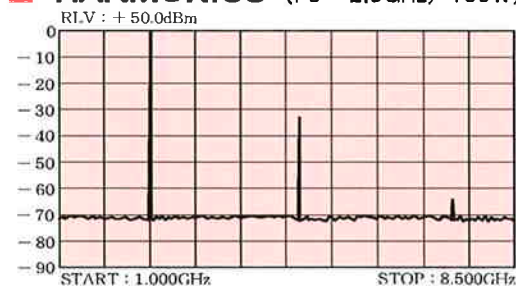
HARMONICS (Fo = 0.8GHz/100W)



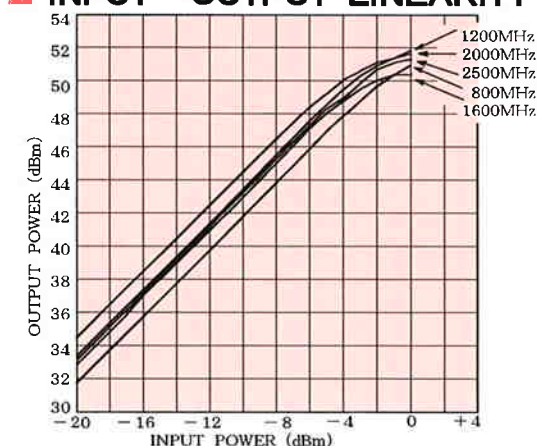
HARMONICS (Fo = 2.0GHz/100W)



HARMONICS (Fo = 2.5GHz/100W)



INPUT - OUTPUT LINEARITY



R&K Company Limited.

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