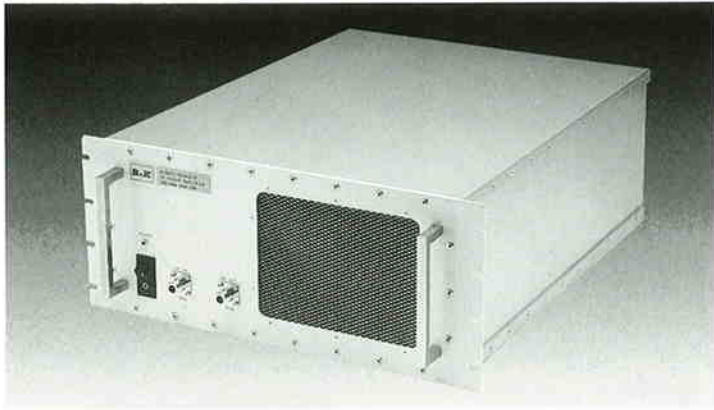




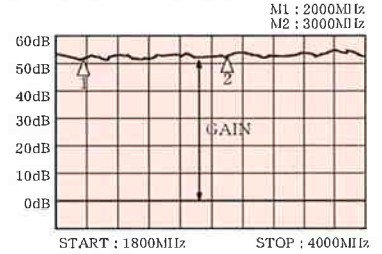
MICROWAVE GaAs FET AMPLIFIER

MODEL R&K A1840-5040R

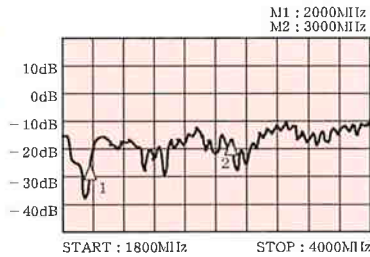
- BROADBAND FREQUENCY : 1800~4000MHz
- HIGH POWER : 10W min. (@1dB Comp.)
- HIGH RELIABILITY GaAs FET CONSTRUCTION
- FOR COMMUNICATIONS TEST EQUIPMENT



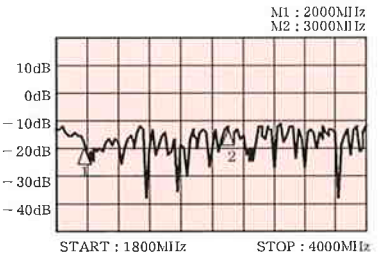
■ SMALL SIGNAL GAIN



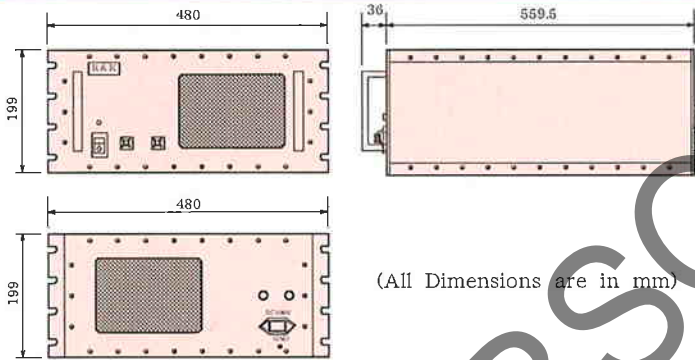
■ INPUT RETURN LOSS



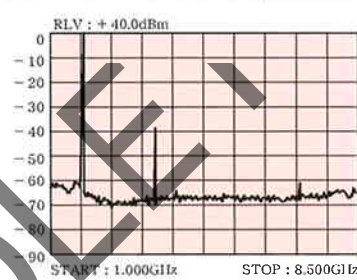
■ OUTPUT RETURN LOSS



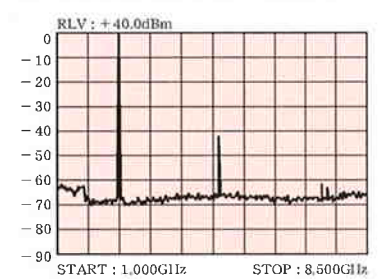
DIMENSION



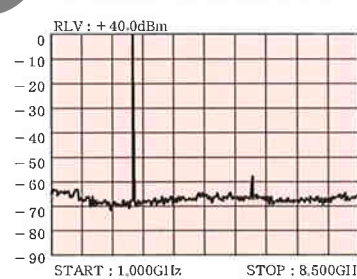
■ HARMONICS (Fo = 1.8GHz/10W)



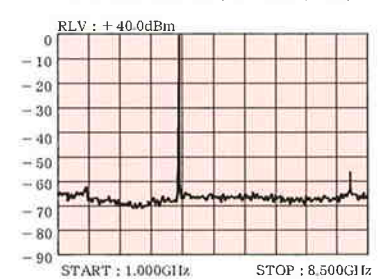
■ HARMONICS (Fo = 2.5GHz/10W)



■ HARMONICS (Fo = 3.0GHz/10W)



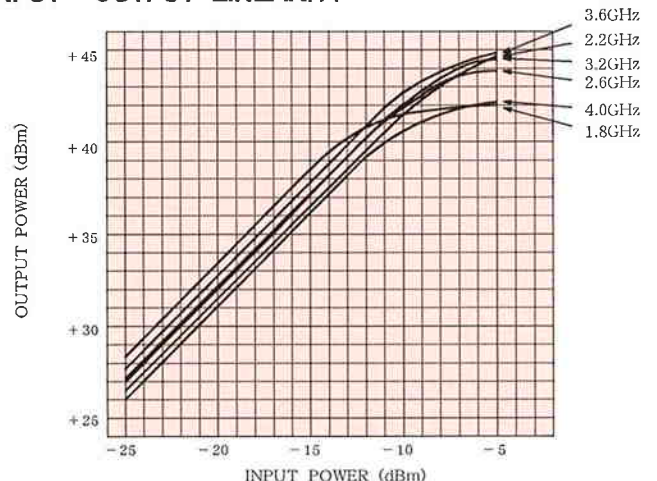
■ HARMONICS (Fo = 4.0GHz/10W)



SPECIFICATIONS

1. Input/Output Frequency Range 1800~4000MHz (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.) 10W (min.)
6. Amplifier Operation Mode Class A Linear
7. 2 Tone 3rd Order Intercept Point +50dBm (typ.)
8. Input/Output Impedance 50Ω Nominal
9. Input VSWR 2.5 (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 N - Female
RF Output N - Female
16. AC Supply Input Connector Inlet Socket Type
Terminal On Back Panel
Integral AC/Ground
17. Ground Connector Protected Infinite VSWR
+70°C Internally Protected
18. Open/Short Circuit Protection 20A (max.)
AC100V · 50/60Hz · 10A
19. Integral Temperature Sensor Integral Forced Air Cooling
20. Integral Over Current Protection -10°C~+45°C
21. AC Power Supply Input -15°C~+65°C
22. Cooling 30kg
23. Operating Temperature
24. Storage Temperature
25. Weight

■ INPUT - OUTPUT LINEARITY



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