



MICROWAVE GaAs FET AMPLIFIER

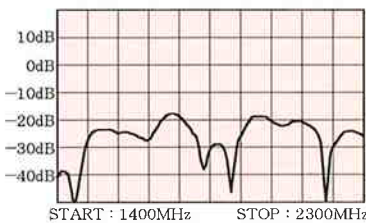
MODEL R&K A2000H-20-R

- BROADBAND FREQUENCY : 1400~2300MHz
- HIGH POWER : 20W min. (@ 1dB Comp.)
- HIGH RELIABILITY GaAs FET CONSTRUCTION
- FOR COMMUNICATIONS TEST EQUIPMENT

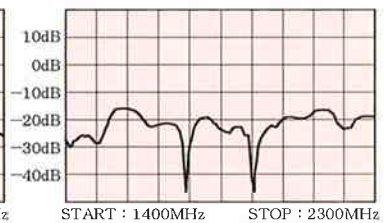
SMALL SIGNAL GAIN



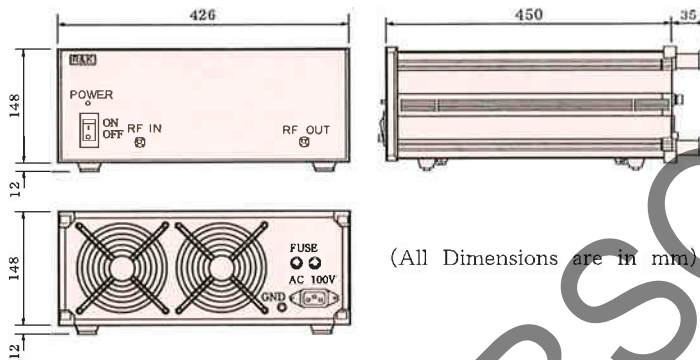
INPUT RETURN LOSS



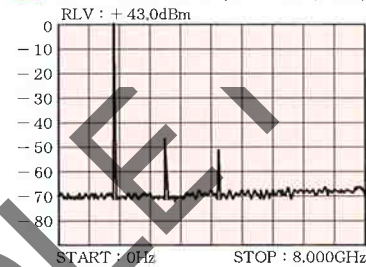
OUTPUT RETURN LOSS



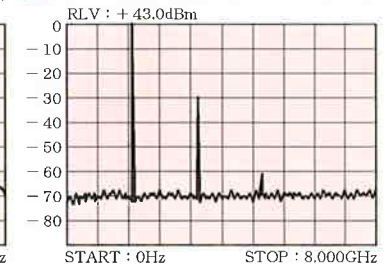
DIMENSIONS



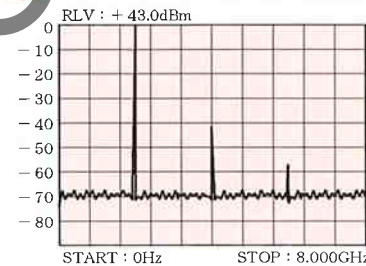
HARMONICS (Fo = 1.4GHz/20W)



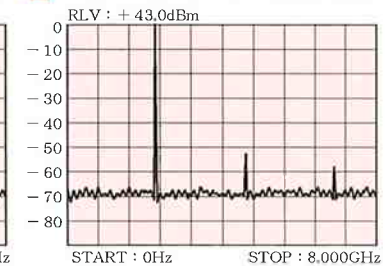
HARMONICS (Fo = 1.7GHz/20W)



HARMONICS (Fo = 2.0GHz/20W)



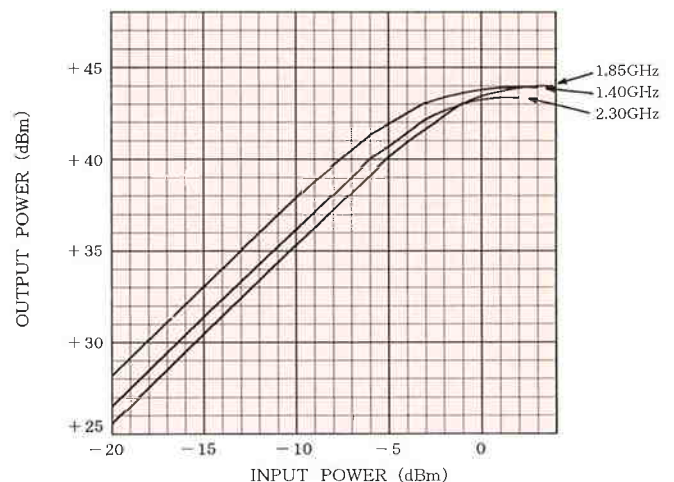
HARMONICS (Fo = 2.3GHz/20W)



SPECIFICATIONS

1. Input/Output Frequency Range 1400~2300MHz (min.)
2. Small Signal Gain +43dB (min.)
3. Power Gain @1dB Compression +42dB (min.)
4. Power Gain Flatness ± 1.5 dB (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 2.0 (max.)
10. Output VSWR 1.5 (max.)
11. Harmonics -18dBc (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 SMA - Female
- RF Output SMA - Female
16. AC Supply Input Connector Inlet Socket Type
17. Ground Connector Terminal On Back Panel
- Integral AC/Ground Connector Protected Infinite VSWR
18. Open/Short Circuit Protection +65°C Internally Protected
19. Integral Temperature Sensor 10A (max.)
20. Integral Over Current Protection AC100V,50/60Hz \cdot 3.5A(max.)
21. AC Power Supply Input Integral Forced Air Cooling
22. Cooling -10°C~+45°C
23. Operating Temperature -15°C~+65°C
24. Storage Temperature 25 kg
25. Weight

INPUT - OUTPUT LINEARITY



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