

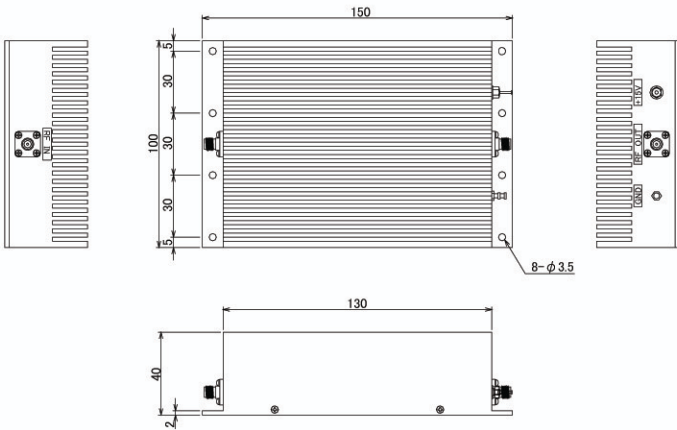
SMALL SIGNAL AMPLIFIER

HD29971



OUTLINE DRAWING

※IN MILLIMETERS



Forced Air Cooling Required

- All-Solid-State Amplifier
- Frequency Range : 10MHz~3000MHz
- Output Power : 2W (min.) @1dB Comp.

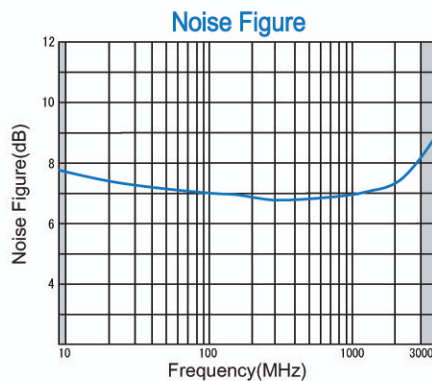
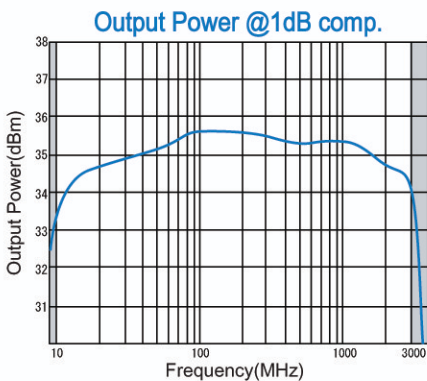
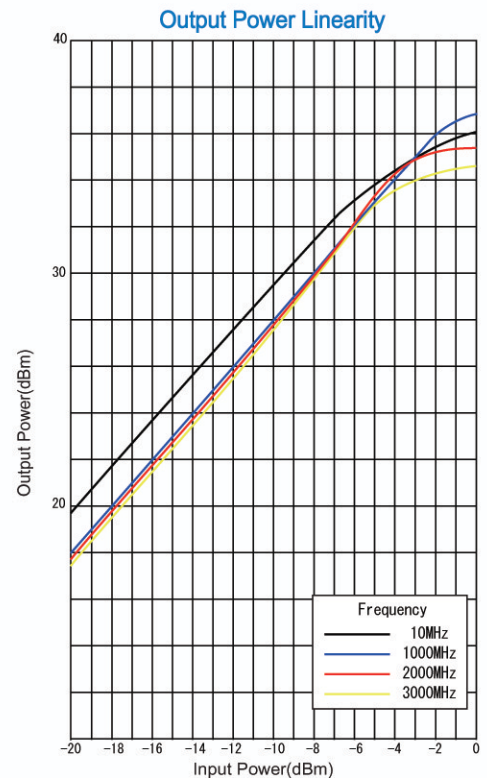
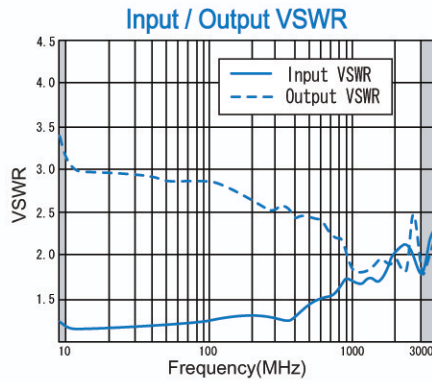
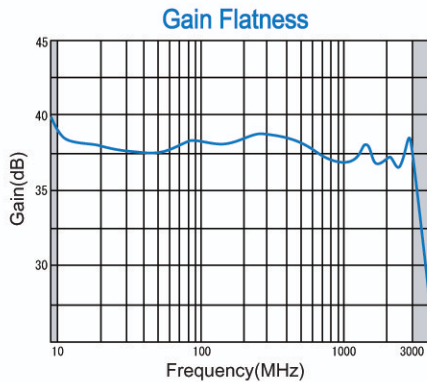
SPECIFICATIONS @ +25°C

Frequency Range	: 10MHz ~ 3000MHz
Small Signal Gain	: +35.0dB (min.)
Gain Flatness	: ±2.0dB (max.)
Output Power	: 2W (min.) @1dB Comp.
Output I.C.P	: +46.0dBm (typ.)
Noise Figure	: 10dB (typ.)
Harmonics	: -30.0dBc (typ.) @Po=1W
Spurious	: -65.0dBc (max.) @Po=2W
Operation Mode	: Class A
Impedance	: 50Ω
Input VSWR	: 2.0 (typ.)
Output VSWR	: 3.0 (typ.)
DC Supply Input	: DC15V±10%
	: 2.5A (max.)
Maximum RF Input Power	: +3dBm
Operating Temperature	: -10°C to +45°C
Storage Temperature	: -15°C to +65°C
Connectors	
RF - IN	: SMA - FEMALE
RF - OUT	: SMA - FEMALE
Size	: (W)100mm×(D)150mm×(H)40mm
Weight	: 2.0kg (4lb 6oz) (typ.)
Protection Circuit	: Over Temperature Protection
Other	: With Heat Sink

HOW TO ORDER

Model Name
HD29971

TYPICAL PERFORMANCE (Temp @+25°C)



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