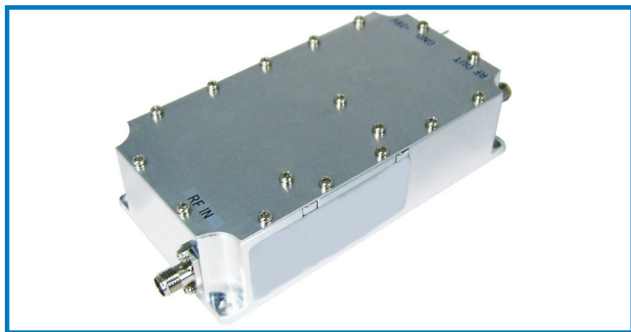


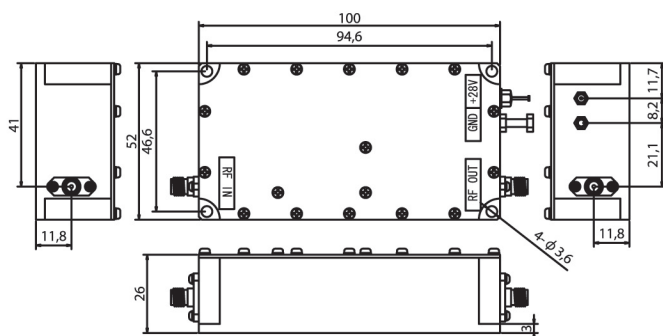
POWER AMPLIFIER

HD30062



OUTLINE DRAWING

※IN MILLIMETERS



Base plate must be grounded and mounted to heat sink to guarantee operation up to maximum temperature.

- Broadband Frequency: 20MHz ~ 3700MHz
- Output Power : 5W (typ.) @Psat.
- Gain Flatness : ± 2.0 dB (max.)

SPECIFICATIONS @ +25°C

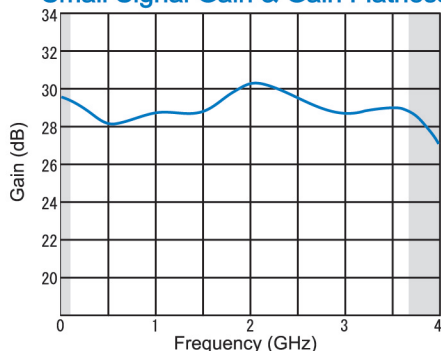
Frequency Range	: 20MHz ~ 3700MHz
Small Signal Gain	: +27.0dB (typ.) : +25.0dB (min.)
Gain Flatness	: ± 2.0 dB (max.)
Output Power	: 1W (min.) @1dB Comp. : 2W (min.) @3dB Comp. : 5W (typ.) @Psat.
Output I.C.P.	: +42.0dBm (typ.)
Noise Figure	: 12.0dB (max.)
Impedance	: 50 Ω
Input Return Loss	: -8.0 (max.)
Output Return Loss	: -2.0 (max.)
Maximum RF Input Power	: +15.0dBm
Maximum RF Output Power	: +38.0dBm
DC Supply Input	: +28V $\pm 3\%$: 1.2A (max.)
Operating Temperature (@Base Plate temp.)	: -10°C to +50°C
Storage Temperature	: -15°C to +65°C
Connectors	: RF - IN SMA - FEMALE : RF - OUT SMA - FEMALE
Size	: (W)52mm $\times$ (D)100mm $\times$ (H)26mm
Weight	: 220g (typ.)

HOW TO ORDER

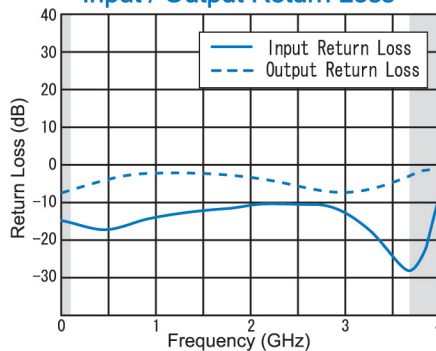
Model Name
HD30062

TYPICAL PERFORMANCE (Temp @+25°C)

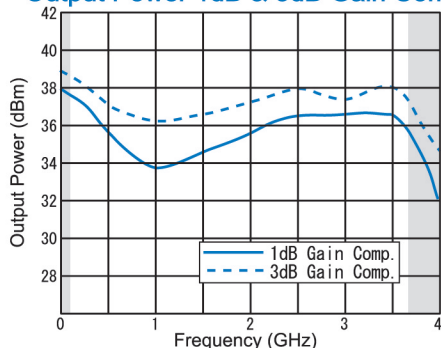
Small Signal Gain & Gain Flatness



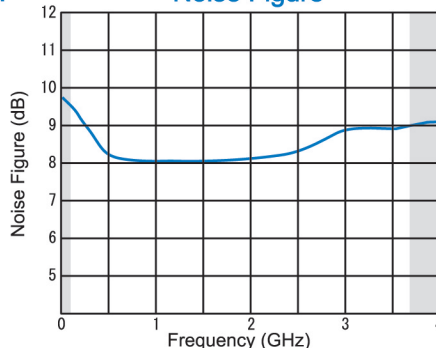
Input / Output Return Loss



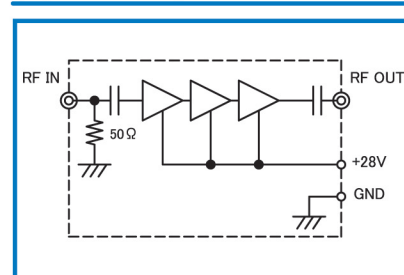
Output Power 1dB & 3dB Gain Comp.



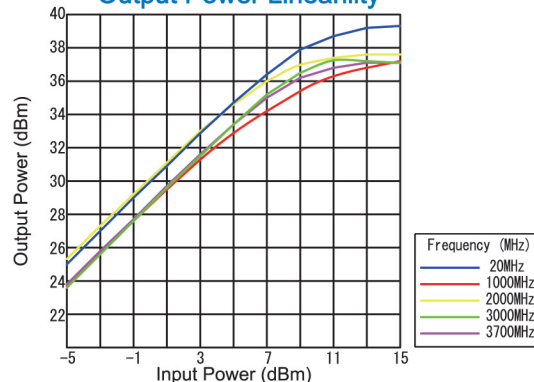
Noise Figure



SCHEMATIC



Output Power Linearity



HD Communications Corp.

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