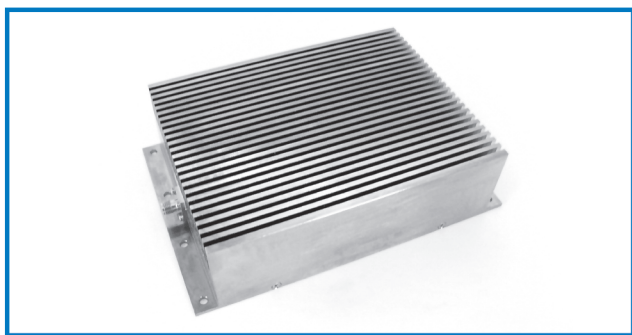


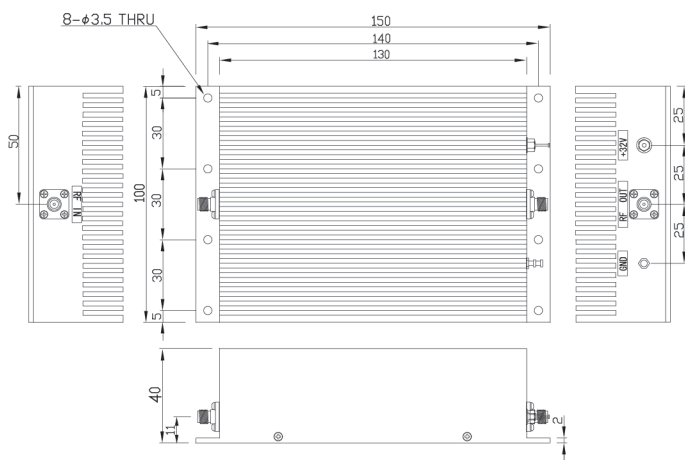
POWER AMPLIFIER

HD30061



OUTLINE DRAWING

※IN MILLIMETERS



- Ultra Wide Band Power Amplifier
- Broadband Frequency: 500MHz ~ 3800MHz
- Output Power : 10W (typ.) @Psat.
- Gain Flatness : ± 2.0 dB (max.)

SPECIFICATIONS @ +25°C

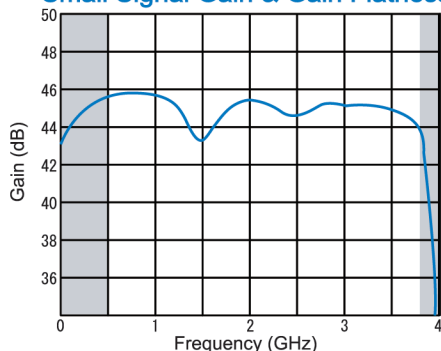
Frequency Range	: 500MHz ~ 3800MHz
Small Signal Gain	: +45.0dB (typ.) : +42.0dB (min.)
Gain Flatness	: ± 2.0 dB (max.)
Output Power	: 5W (min.) @1dB Comp. : 8W (min.) @3dB Comp. : 10W (typ.) @Psat.
Output I.C.P.	: +45.0dBm (typ.)
Noise Figure	: 12.0dB (max.)
Impedance	: 50Ω
Input VSWR	: 2.0 (max.)
Output VSWR	: 4.0 (max.)
Maximum RF Input Power	: +5.0dBm
DC Supply Input	: +32V $\pm 3\%$: 2.5A (max.)
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)80mm×(D)70mm×(H)26.5mm
Weight	: 850g (typ.)
Cooling	: Forced Air Cooling Required

HOW TO ORDER

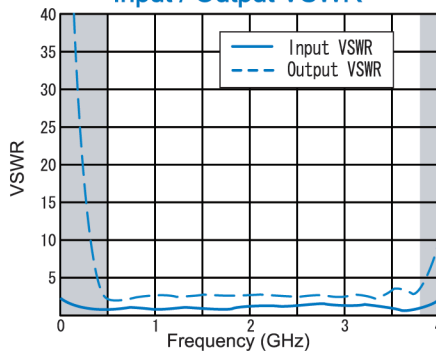
Model Name
HD30061

TYPICAL PERFORMANCE (Temp @+25°C)

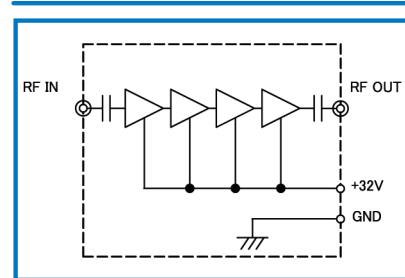
Small Signal Gain & Gain Flatness



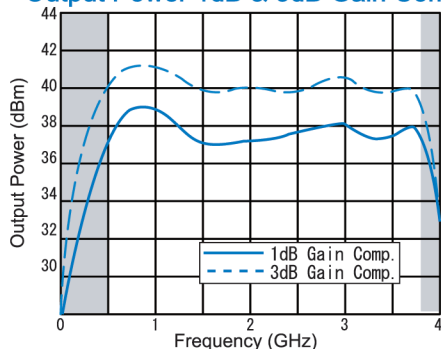
Input / Output VSWR



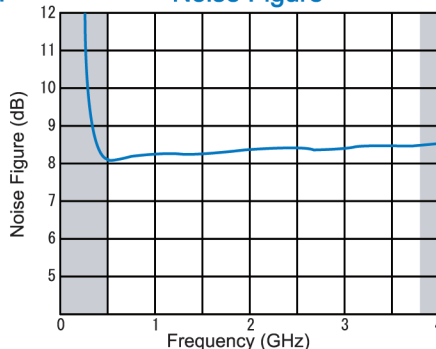
SCHEMATIC



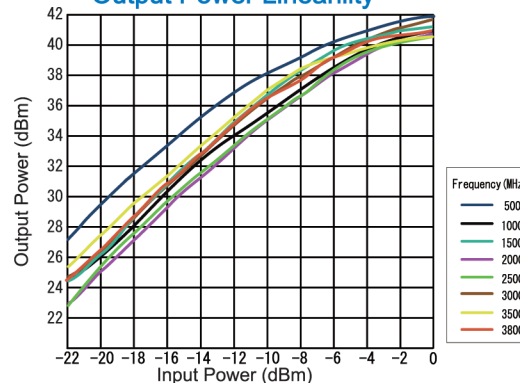
Output Power 1dB & 3dB Gain Comp.



Noise Figure



Output Power Linearity



HD Communications Corp.

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