

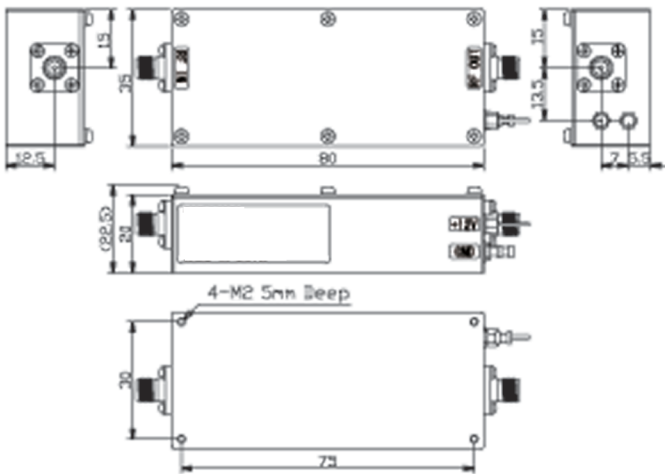
LOW NOISE AMPLIFIER

HD29995



OUTLINE DRAWING

※IN MILLIMETERS



- Noise Figure : 1.8dB (typ.)
-20°C to +60°C : 2.5dB (max.)
- Frequency Range : 9kHz~1000MHz
- Output Power : +13dBm @500MHz
- RoHS Compliance

SPECIFICATIONS @ +25°C

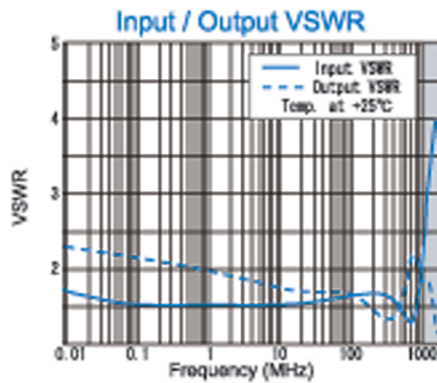
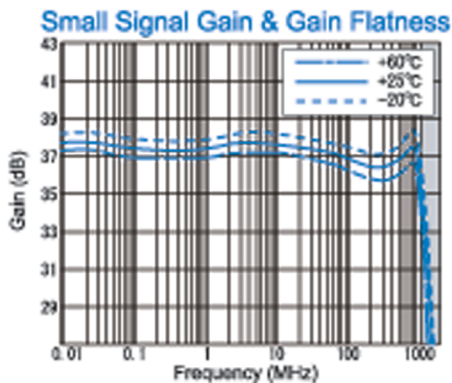
- | | |
|---|-------------------------|
| Noise Figure @+25°C | : 1.8dB (typ.) |
| -20°C to +60°C | : 2.5dB (max.) |
| NOTE: N.F.value is only guaranteed in the range of 10MHz ~ 1000MHz. | |
| Frequency Range | : 9kHz ~ 1000MHz |
| Small Signal Gain | : +36dB (typ.) @500MHz |
| | : +35dB (min.) |
| Gain Flatness | : ±2.0dB (max.) |
| Output Power @1dB Comp. | : +13dBm (min.) @500MHz |
| Output I.C.P. | : +25dBm (typ.) @500MHz |
| Impedance | : 50Ω |
| Input VSWR | : 2.0:1 (typ.) |
| Output VSWR | : 2.0:1 (typ.) |
| DC Supply Input | : +12V ±1V |
| | : 120mA (max.) |
| Maximum RF Input Power | : -17dBm |
| Operating Temperature | : -20°C to +60°C |
| Storage Temperature | : -20°C to +80°C |
| Connectors (Standard) | : SMA-FEMALE |
| Connectors (Option) | : BNC-FEMALE |
| | : N-FEMALE |
| Weight (Standard) | : 120g (typ.) |

HOW TO ORDER

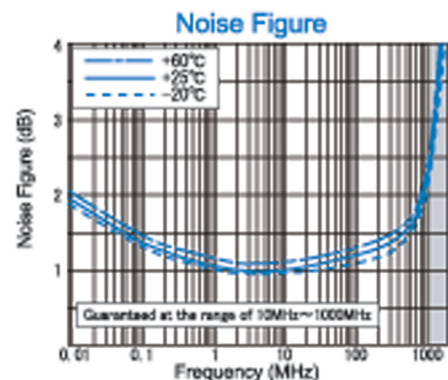
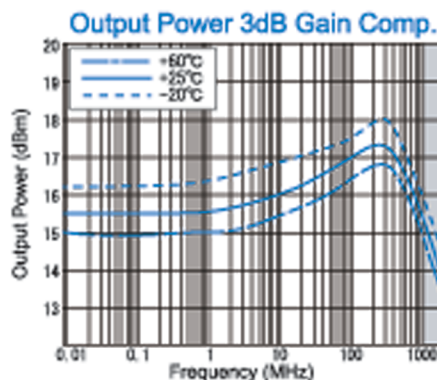
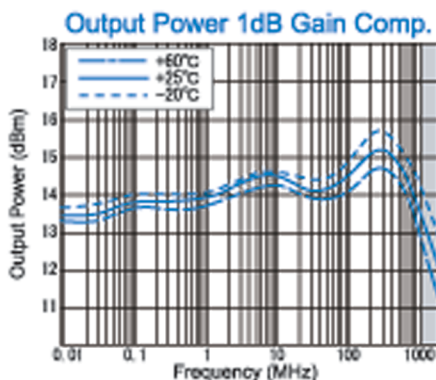
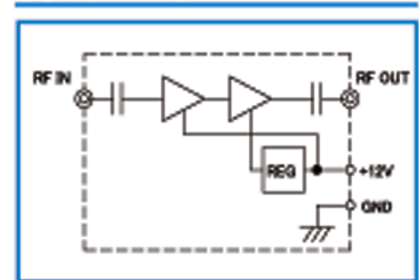
Model Name
HD29995-0S

S = SMA - FEMALE
B = BNC - FEMALE
N = N - FEMALE

TYPICAL PERFORMANCE



SCHEMATIC



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