



Wright Technologies Inc.

Broadband Frequency Operation

PERFORMANCE DATA

RoHS COMPLIANT

ASG-022024
Serial # 0001

FEATURES

- * Operating Frequency: 0.1 - 2.0 GHz
- * P-1dB: 24.00 dBm Min
- * Small Signal Gain: 20.00 - 30.00 dB
- * Gain Flatness: +/- 1.50 dB Full Band
- * High Output IP3: 34.0 dBm Typ
- * Noise Figure: 3.50 dB Max
- * 50 Ohm Input and Output Matched
- * -10 to +75 °C Operating Temperature
- * Unconditionally Stable
- * Single DC Bias Supply
- * Built-in DC Voltage regulation
- * Small Size and Weight, Yet Robust

APPLICATIONS

- | | | |
|---|---|---|
| Laboratory Applications
R&D Lab Use
Radar Systems
Electronic Warfare
Telecom Infrastructure | Test Instrumentation
Military and Space
Communications Systems
Satellite Communications
Wireless Communications | Microwave Radio Systems
Power Amplifier
General Purpose Amplifier
RF Front Ends
Fiber Optic Interface |
|---|---|---|

Freq. In GHz	Gain dB	P-1 dBm	Input VSWR	Output VSWR	Noise dB
0.100	23.86	24.95	1.93	1.90	3.22
0.575	23.91	25.06	1.75	1.98	2.75
1.050	23.99	25.54	1.53	1.88	3.25
1.525	23.39	25.38	1.27	1.65	3.07
2.000	22.99	24.83	1.07	1.34	3.30
Min	22.92	24.83	---	---	---
Max	24.06	---	1.94	1.99	3.32
Spec	20.00 - 30.00	24.00 Min	2.00 Max	2.00 Max	3.50 Max

Bias @ +12.0V, IT = $\frac{250}{450}$ mA
mA Typ

All Measurements Taken at +25°C (Ambient Room)

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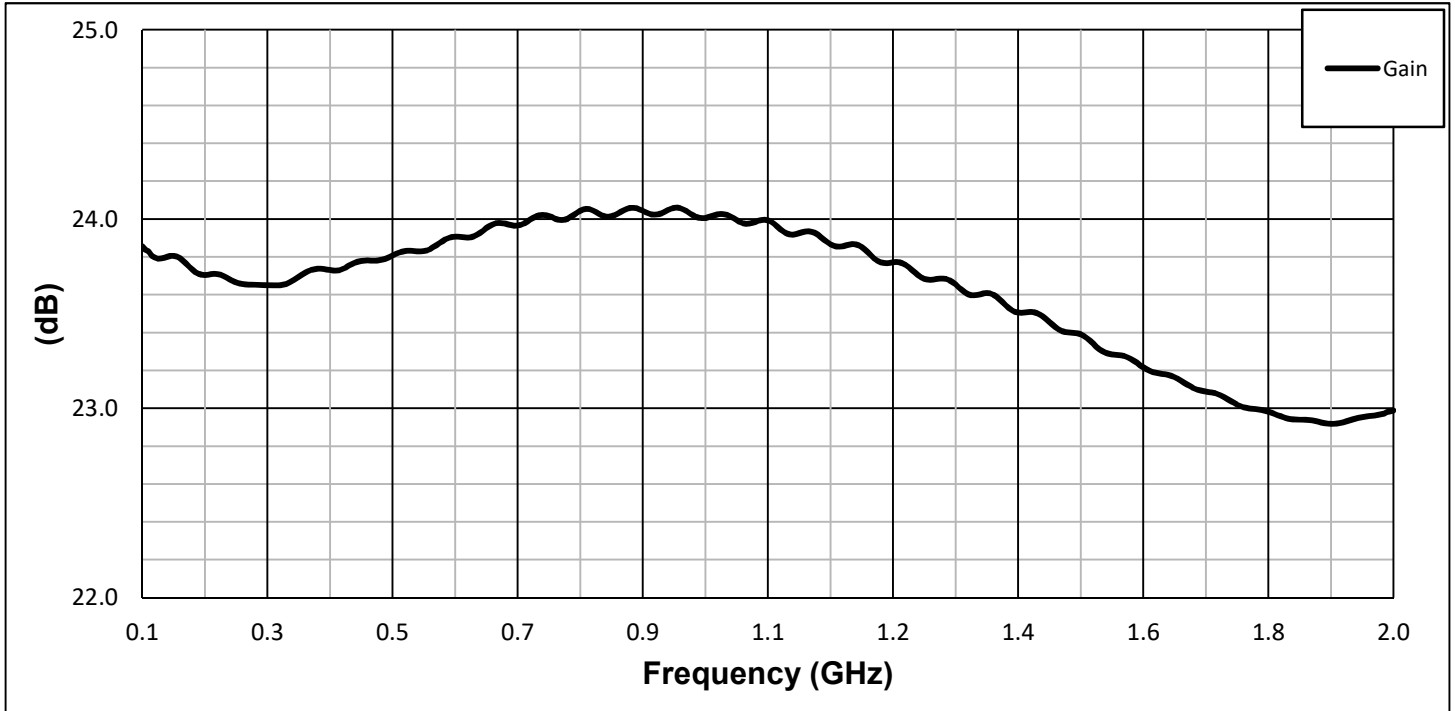
Broadband Frequency Operation

DATA PLOTS

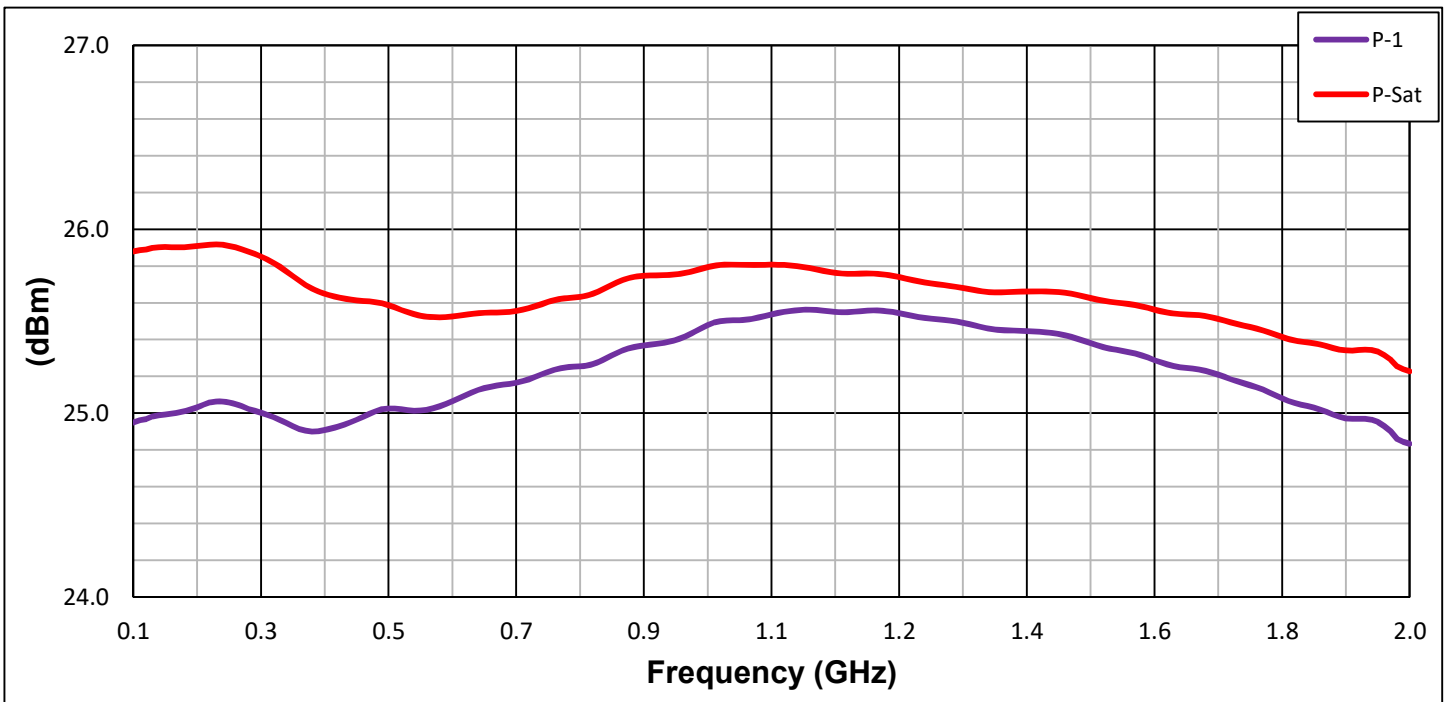
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Gain



Power





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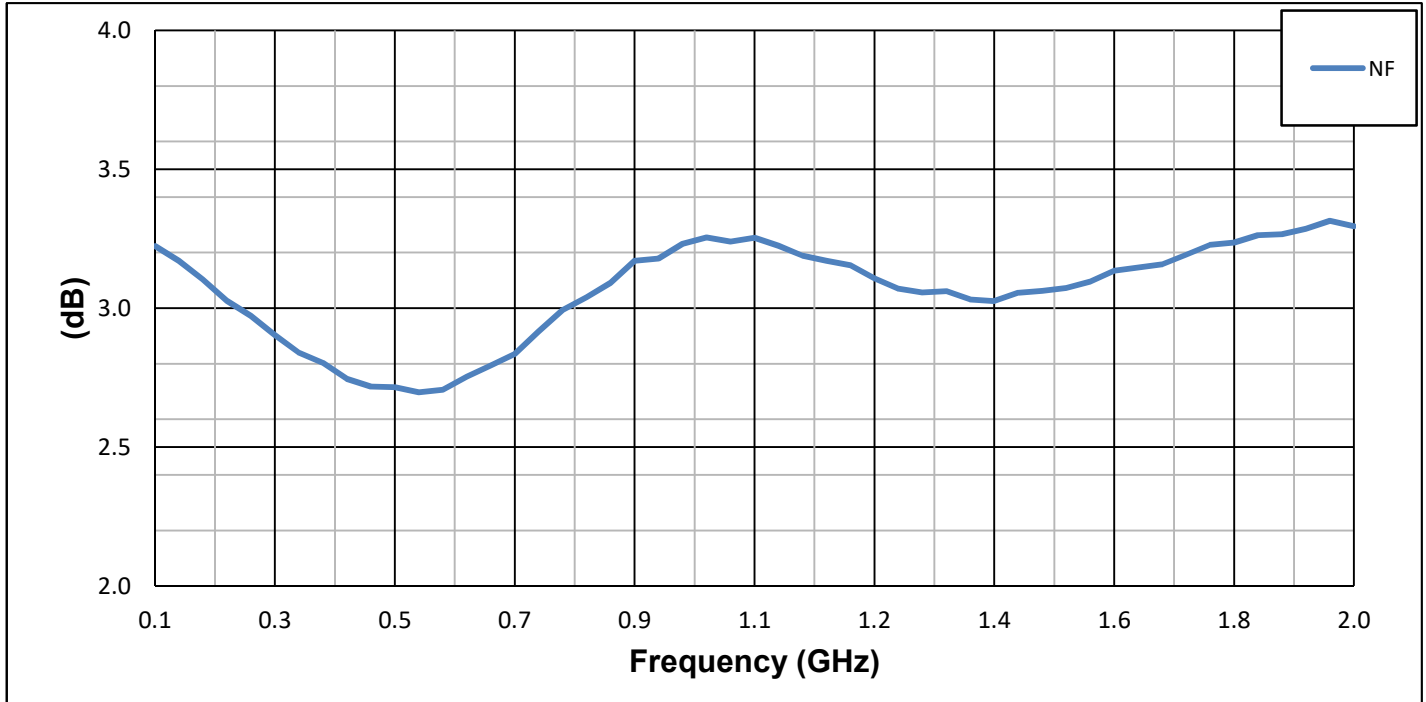
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Noise



Return Loss

