



Wright Technologies Inc.

Broadband Frequency Operation

PERFORMANCE DATA

RoHS COMPLIANT

ASL-20B2510**Serial # 0310**

FEATURES

- * Operating Frequency: 0.10 - 20.00 GHz
- * P-1dB: 10.00 dBm Min
- * Small Signal Gain: 25.00 - 35.00 dB
- * Gain Flatness: +/- 2.50 dB Full Band
- * High Output IP3: 20.00 dBm Typ
- * Noise Figure: 4.00 dB Max

- * 50 Ohm Input and Output Matched
- * -20 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	28.49	11.86	2.02	1.56	3.44
5.075	28.87	13.72	1.34	1.35	2.11
10.050	29.74	13.09	1.09	1.59	2.23
15.025	28.96	18.42	1.41	1.18	2.83
20.000	29.10	10.53	1.23	1.61	3.72
Min	28.28	10.53	---	---	---
Max	29.76	---	2.02	1.63	3.72
Spec	25.00 - 35.00	10.00 Min	2.20 Max	2.20 Max	4.00 Max

Bias @ +12.0V, IT = $\frac{200}{200}$ mA
mA Typ

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

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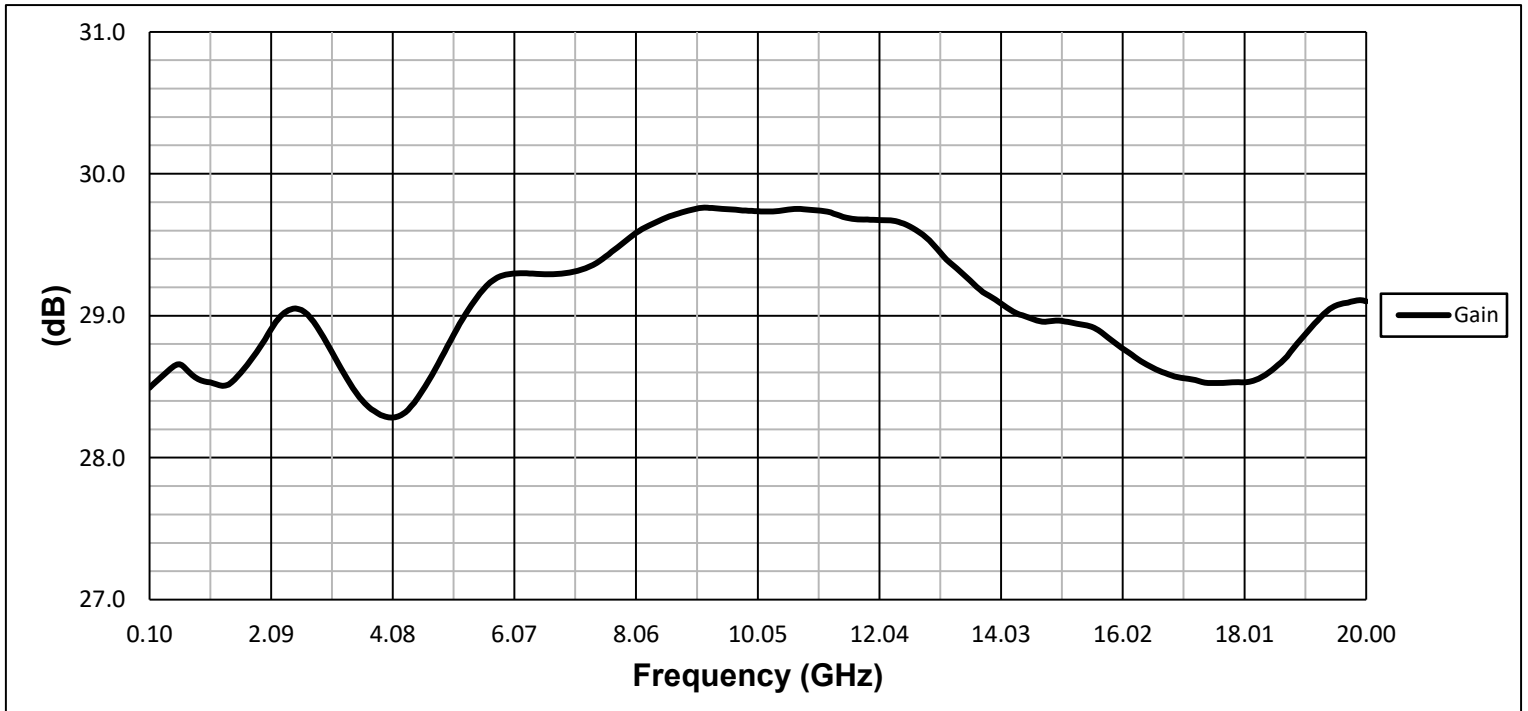
DATA PLOTS

RoHS COMPLIANT

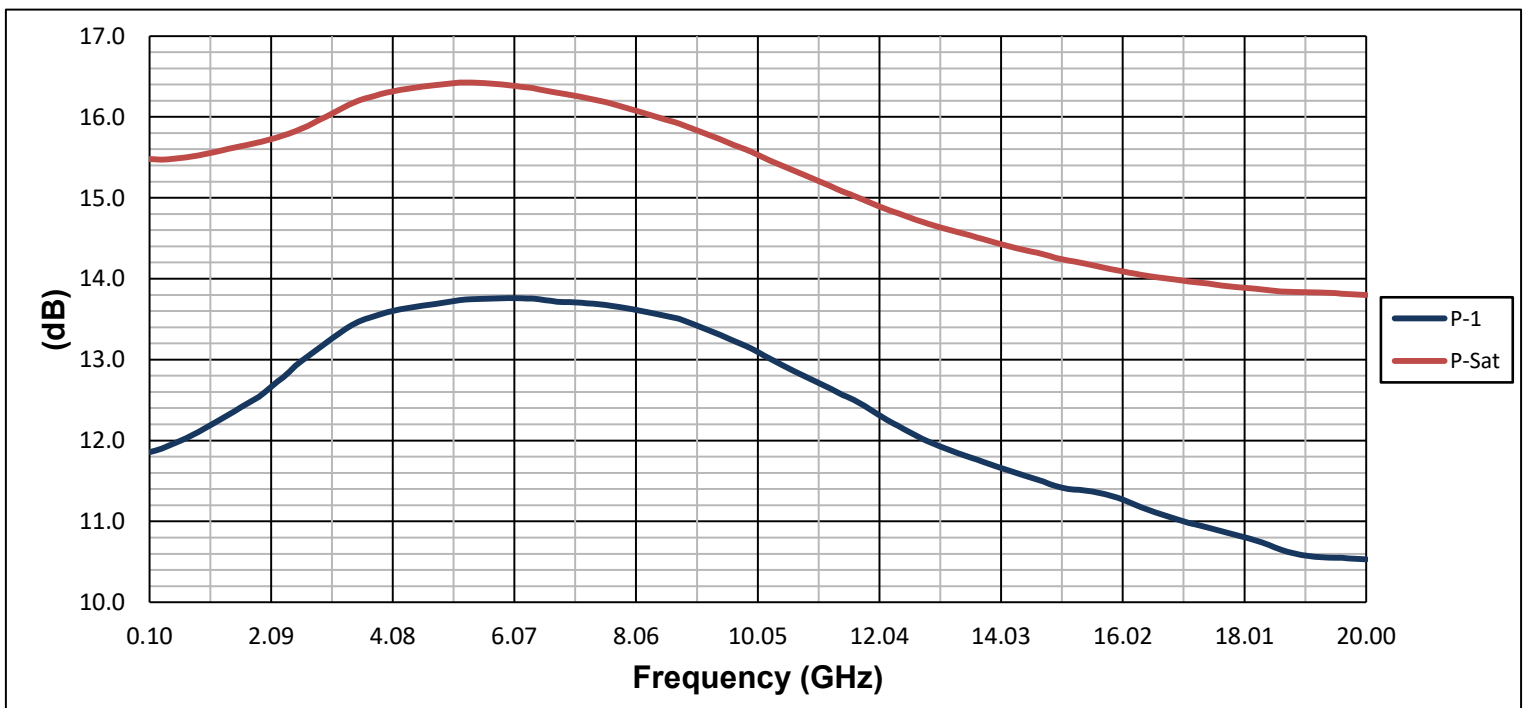
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Gain



Power





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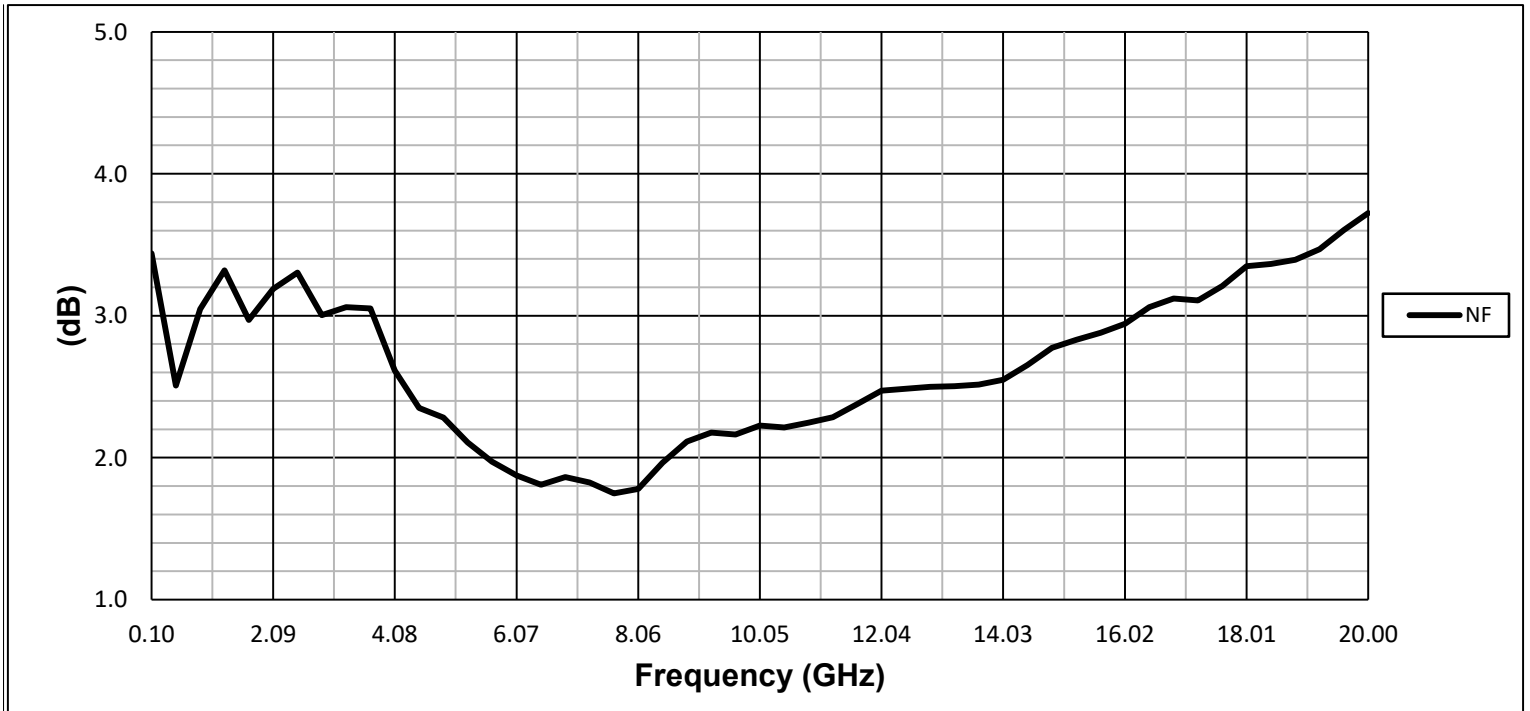
DATA PLOTS

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Noise



VSWR

