



Wright Technologies Inc.

Broadband Frequency Operation

PERFORMANCE DATA

RoHS COMPLIANT

ASL18B-2515**Serial # 0037**

FEATURES

- * Operating Frequency: 1.0 - 18.0 GHz
- * P-1dB: 15.00 dBm Min
- * Small Signal Gain: 25.00 - 35.00 dB
- * Gain Flatness: +/- 1.75 dB Full Band
- * High Output IP3: 25.0 dBm Typ
- * Noise Figure: 3.00 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
1.000	31.46	15.52	2.10	1.35	2.13
5.250	30.98	16.02	1.35	1.20	1.79
9.500	31.74	16.33	1.61	1.23	1.92
13.750	31.81	15.70	1.41	1.41	2.03
18.000	30.19	15.40	1.53	1.49	2.34
Min	28.87	15.28	---	---	---
Max	31.97	---	2.10	1.83	2.34
Spec	25.00 - 35.00	15.00 Min	2.20 Max	2.20 Max	3.00 Max

Bias @ +12.0V, IT = $\frac{160}{250}$ mA
mA Typ

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

Wright Technologies Inc.
1352 Blue Oaks Blvd Suite 140
Roseville, CA 95678

Contact Us
Phone: (916) 773-4424
Fax: (916) 760-2770
E-mail: sales@wrighttec.com

Copyright 2025. Wright Technologies, Inc. All Rights Reserved.



Wright Technologies Inc.

Broadband Frequency Operation

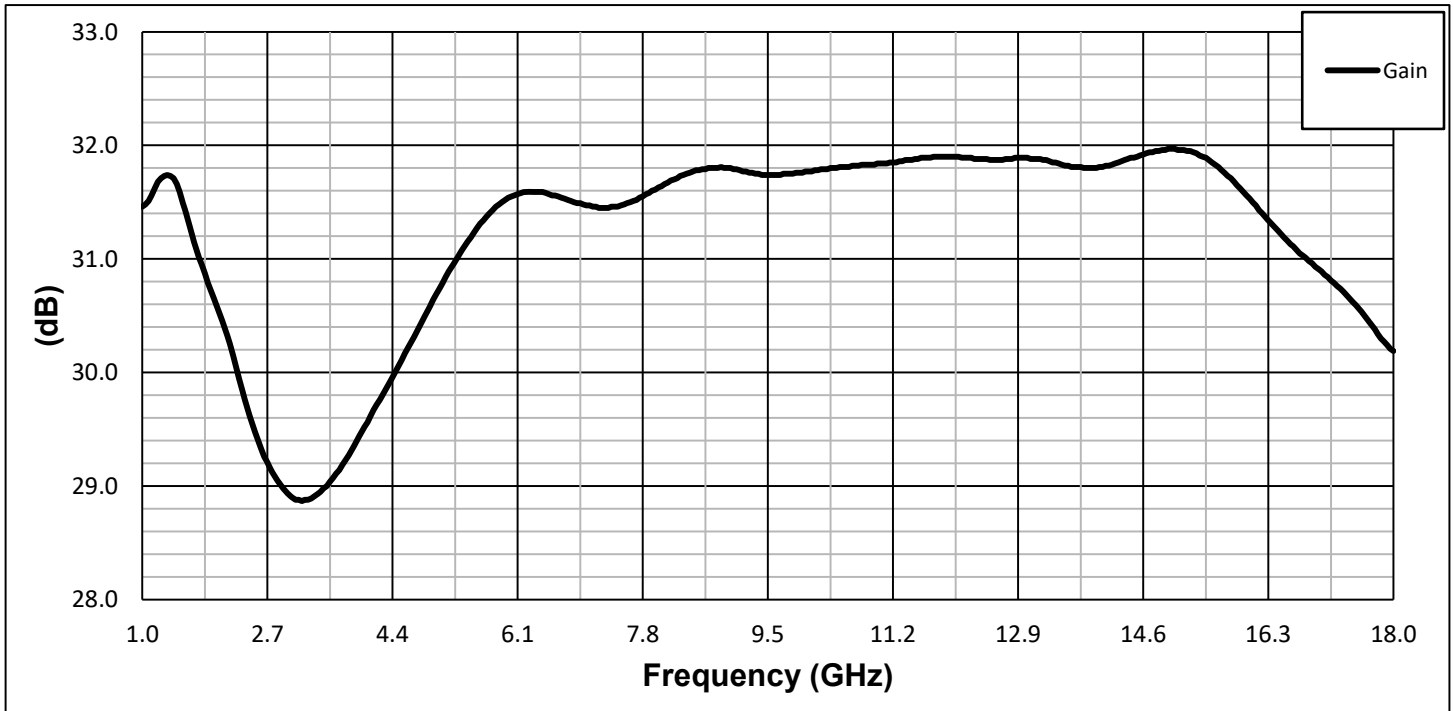
DATA PLOTS

RoHS COMPLIANT

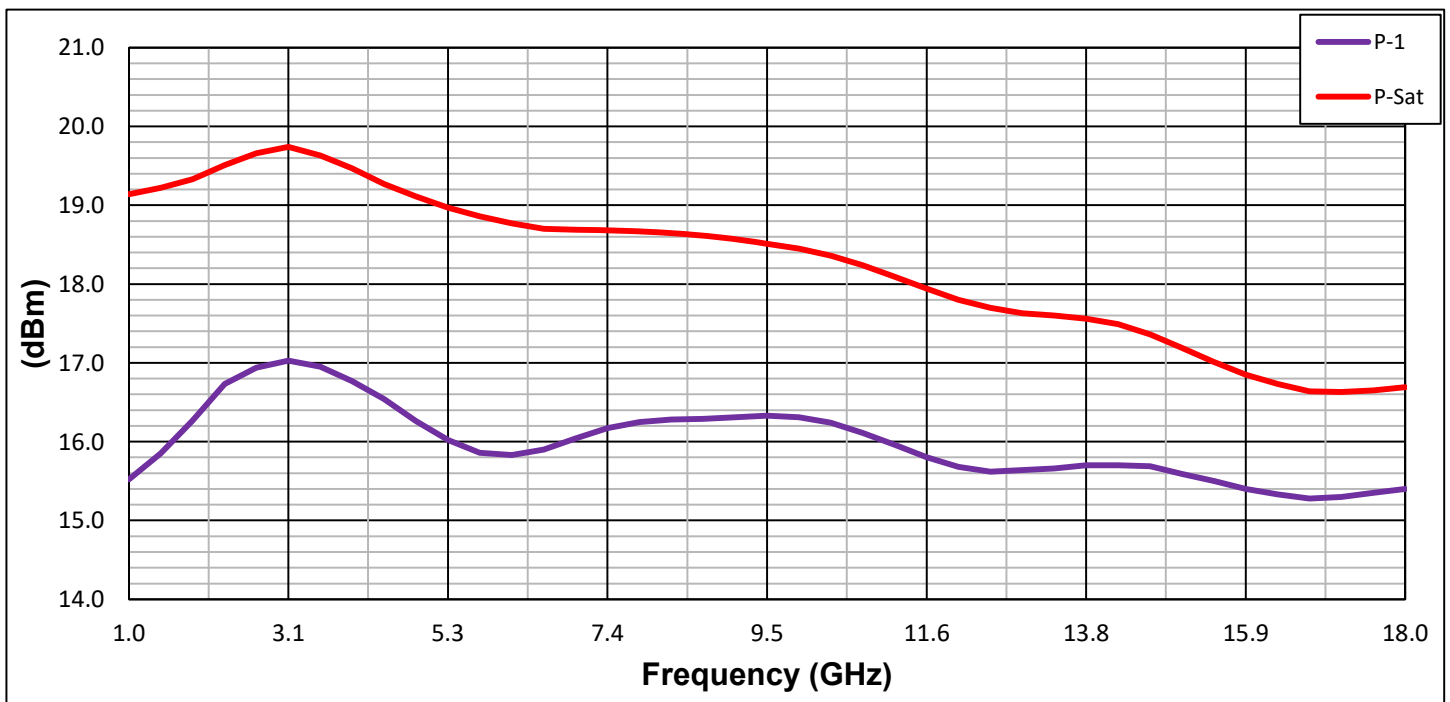
ASL18B-2515

Serial # 0037

Gain



Power





Wright Technologies Inc.

Broadband Frequency Operation

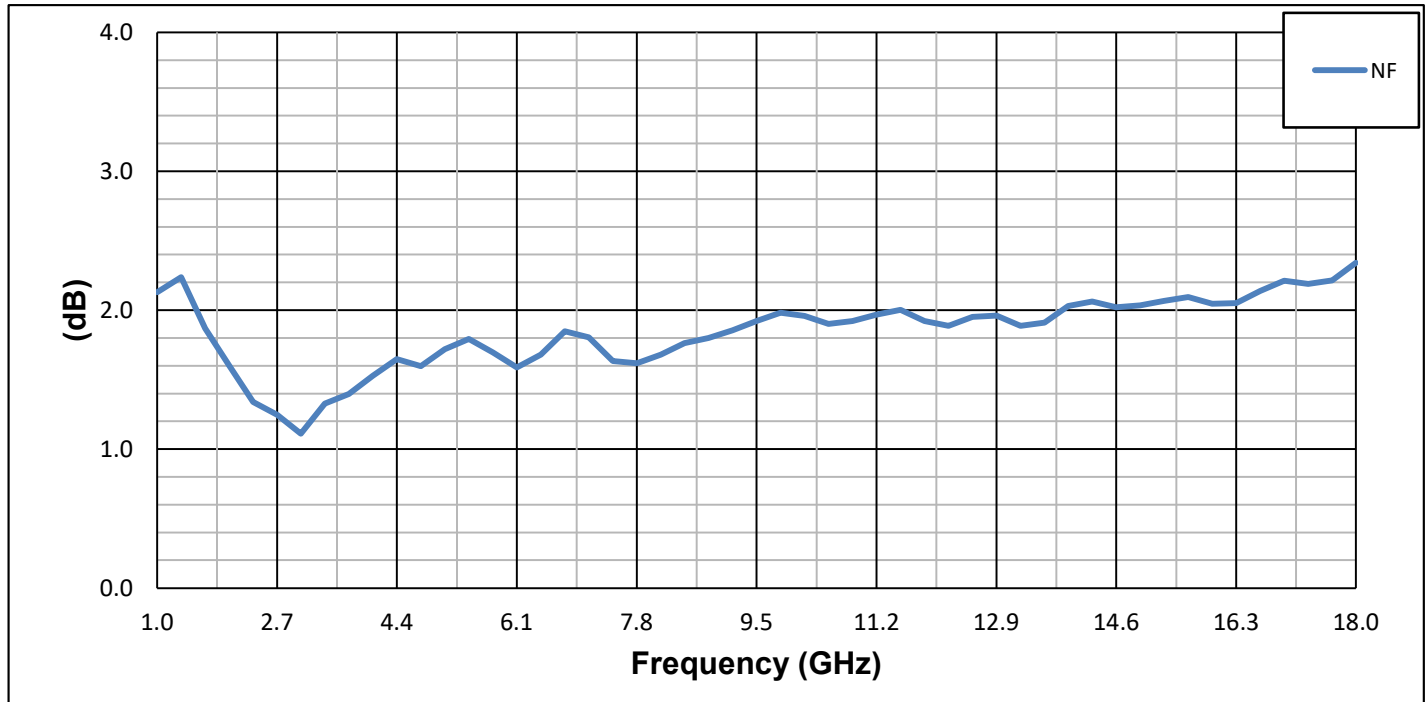
DATA PLOTS

RoHS COMPLIANT

ASL18B-2515

Serial # 0037

Noise



Return Loss

