



Wright Technologies Inc.

Broadband Frequency Operation

PERFORMANCE DATA

RoHS COMPLIANT

ASP18-B3033**Serial # 0001**

FEATURES

- * 2.0 - 18.0 Ghz Frequency Operation
- * P-1dB: +33.0 dBm Minimum
- * Small Signal Gain: 30.0 - 40.0 dB
- * Gain Flatness: +/- 2.0 dB full band
- * High Output IP3: 43.0 dBm Typical
- * Noise Figure: 7.0 dB Maximum
- * 50 Ohm Input and Output Matched
- * 0 to +50 °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
2.0	37.14	35.40	2.05	1.50	1.91
6.0	36.38	35.80	1.38	1.06	2.32
10.0	35.33	34.50	2.07	1.97	2.67
14.0	35.78	34.40	1.44	1.66	2.65
18.0	35.82	33.60	1.74	1.25	2.95
Min	34.61	33.60	---	---	---
Max	37.21	---	2.08	2.09	2.95
Spec	30.00 - 40.00	33.00 Min	2.20 Max	2.20 Max	7.00 Max

Bias @ +15.0 V, IT = 2900 mA
3850 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 2020. Wright Technologies, Inc. All Rights Reserved.



Wright Technologies Inc.

Broadband Frequency Operation

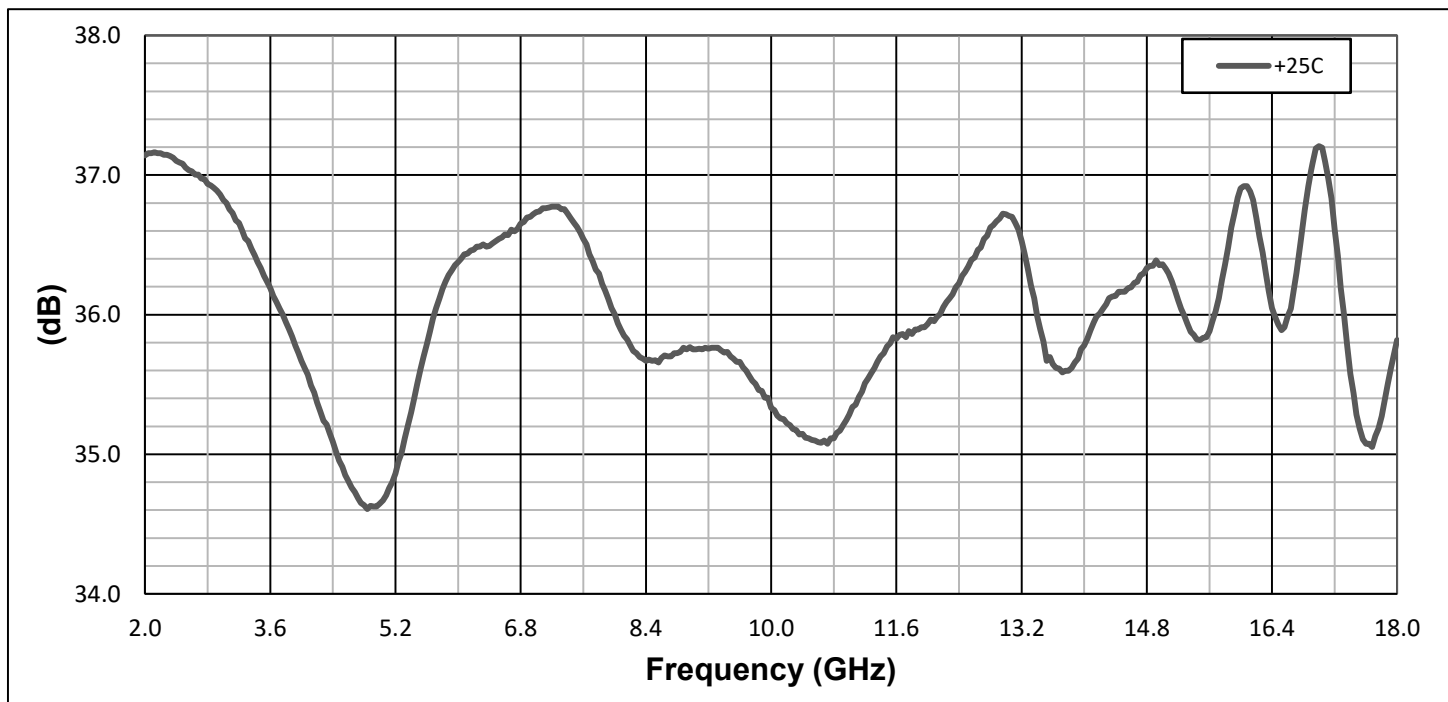
DATA PLOTS

RoHS COMPLIANT

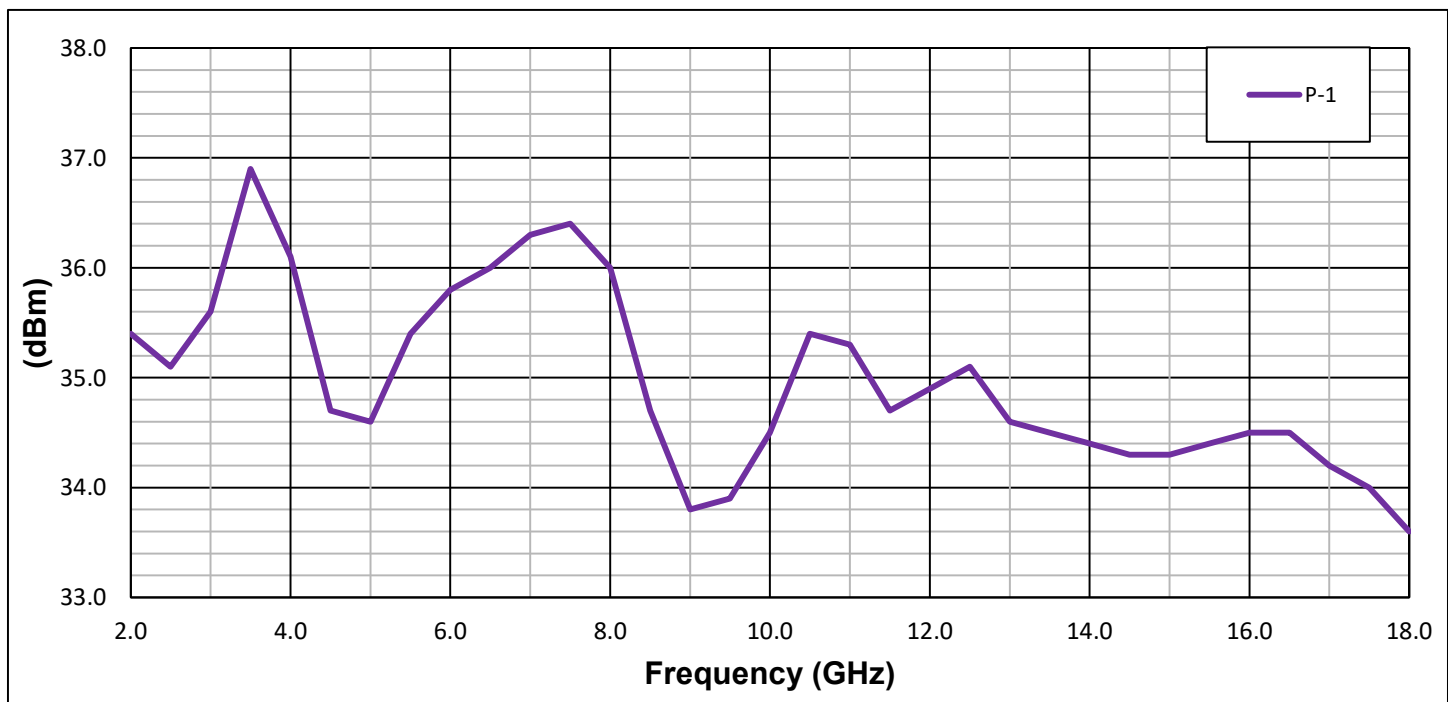
ASP18-B3033

Serial # 0001

Gain



Power



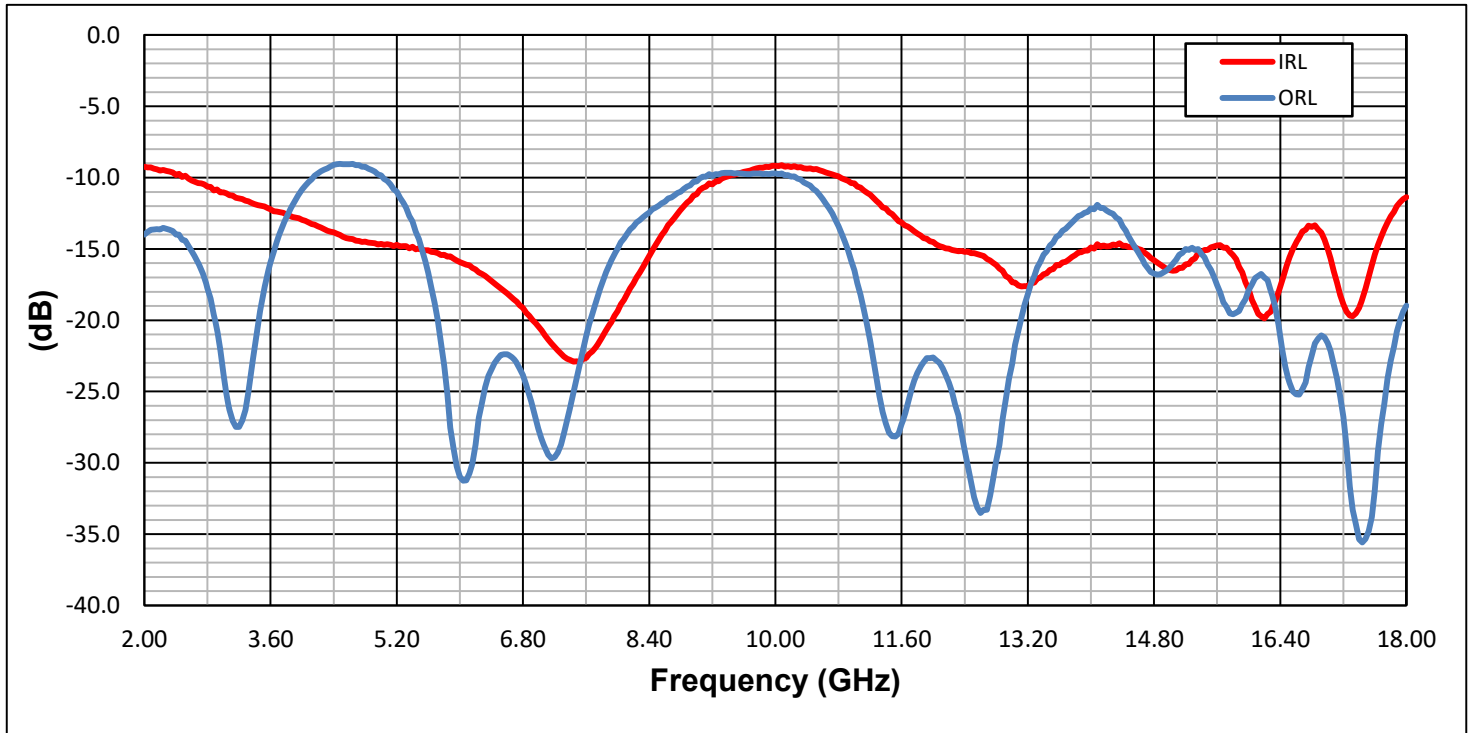
DATA PLOTS

RoHS COMPLIANT

ASP18-B3033

Serial # 0001

Return Loss



Noise Figure

