



Wright Technologies Inc.

Broadband Frequency Operation

PERFORMANCE DATA

RoHS COMPLIANT

ATP40-3532
0004

FEATURES

- | | |
|---|--|
| <ul style="list-style-type: none"> * 26.5-40 Ghz Frequency Operation * P-1dB: +32 dBm typical * Small Signal Gain: 25-40 dB minimum * Gain Flatness: +/- 4.5 dB full band * High Output IP3: 40 dBm typ. * Noise Figure: 8.0 dB Typical | <ul style="list-style-type: none"> * 50 Ohm Input and Output Matched * +10 to +50 °C Operating Temperature * Unconditionally Stable * Single DC Bias Supply * Built-in DC Voltage regulation * Small Size and Weight, Yet Robust |
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APPLICATIONS

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> Laboratory Applications R&D Lab Use Radar Systems Electronic Warfare Telecom Infrastructure | <ul style="list-style-type: none"> Test Instrumentation Military and Space Communications Systems Satellite Communications Wireless Communications | <ul style="list-style-type: none"> 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
26.50	43.7	32.0	1.06	1.70	7.5
29.75	41.5	32.1	2.06	1.34	5.9
33.25	40.9	32.1	2.12	1.36	5.4
36.50	43.5	31.1	1.26	1.06	4.9
40.00	40.0	30.6	1.49	1.40	5.8
Min	39.2	30.6	---	---	---
Max	44.8	---	2.42	1.89	7.5
Spec	35 to 48	32 Typ.	2.50 Max	2.50 Max	8 Typ

Bias @ +15.0 V, IT = 4800 mA

FULL BIAS MUST BE APPLIED AT TURN ON 4500 mA TYP

All Measurements Taken at 25°C Ambient Room

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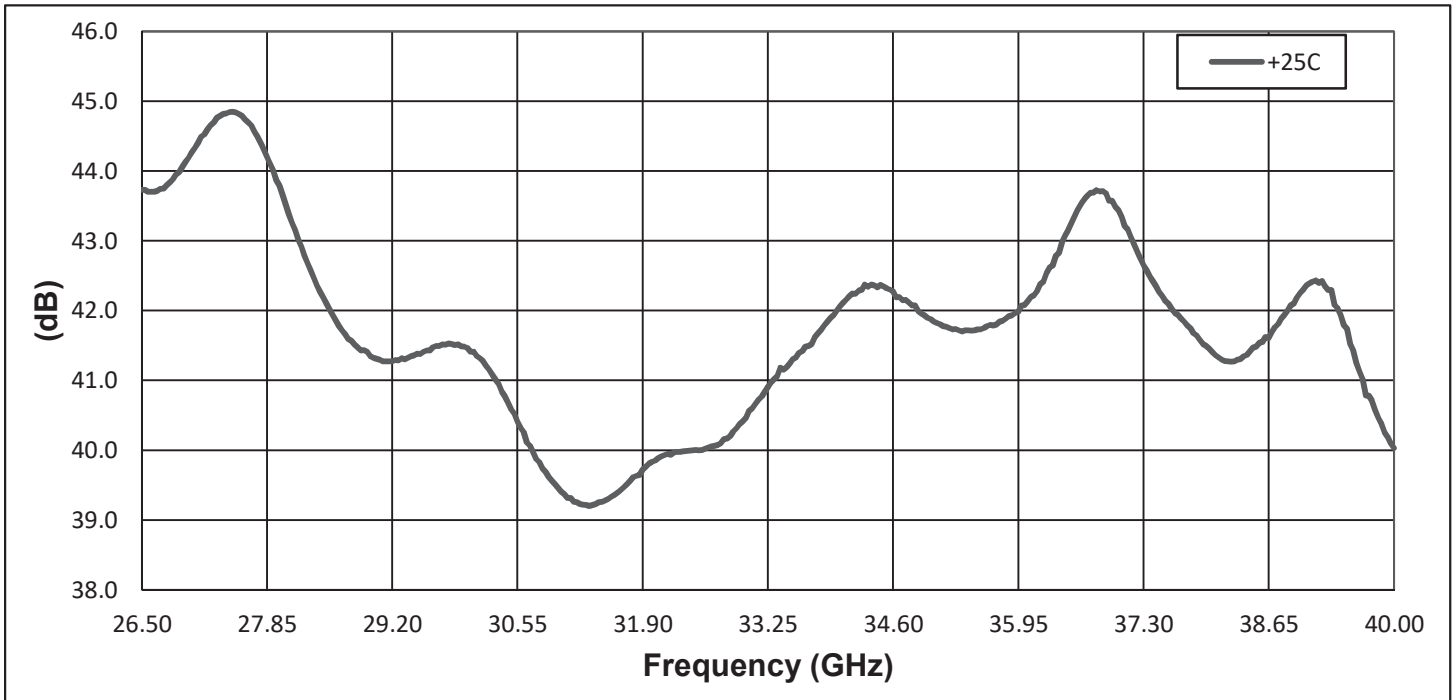
Broadband Frequency Operation

DATA PLOTS

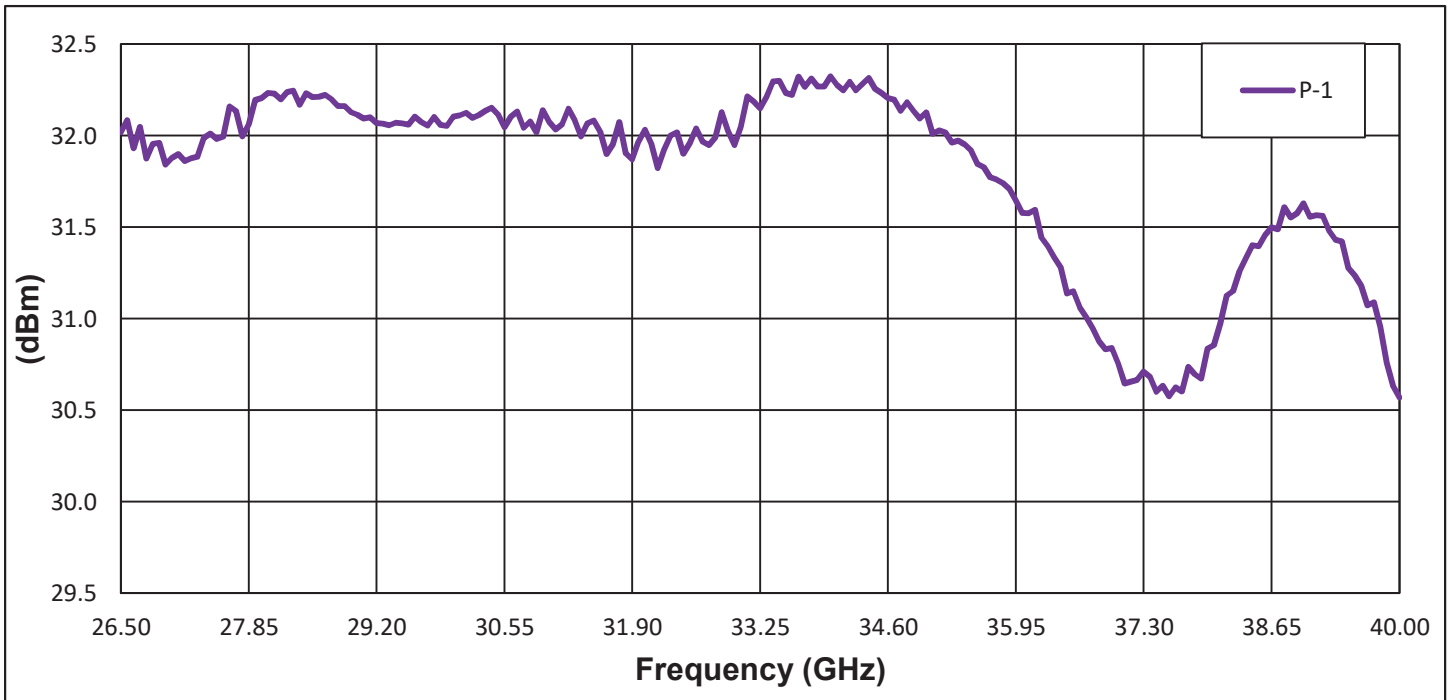
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Gain



Power dBm





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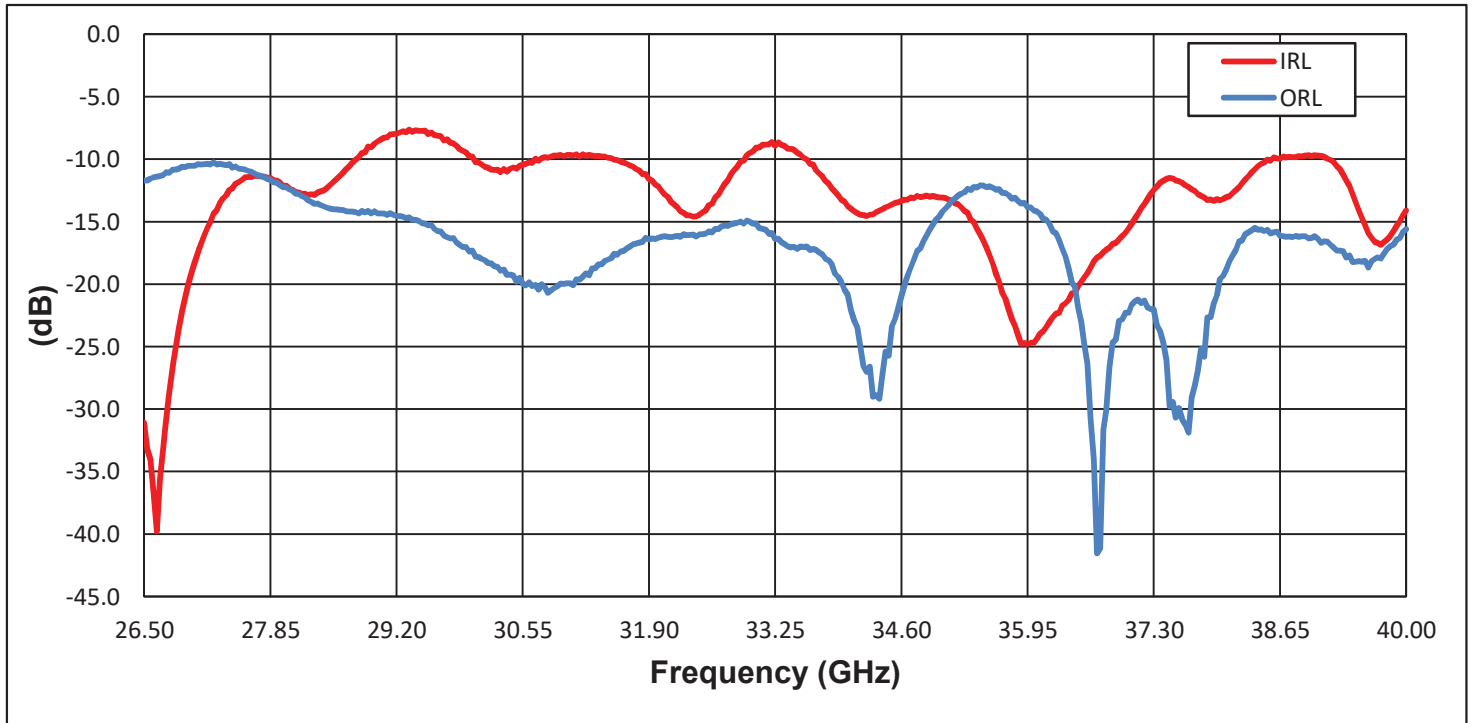
DATA PLOTS

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Return Loss

0004



Noise (26.5-40 GHz)

