



Wright Technologies Inc.

Broadband Frequency Operation

PERFORMANCE DATA

RoHS COMPLIANT

ASL18B-3015L**Serial # 0001**

FEATURES

- * 1.0 - 18.0 GHz Frequency Operation
- * P-1 dB: 15.0 dBm Min.
- * Small Signal Gain: 30.00 - 40.00 dB
- * Gain Flatness: +/- 1.8 dB Full Band
- * High Output IP3: 25.0 dBm typ.
- * Noise Figure: 2.5 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
1.00	34.5	16.8	1.36	1.64	1.9
5.250	33.2	17.3	1.58	1.11	1.8
9.50	34.1	18.7	1.45	1.39	2.0
13.750	34.0	18.7	1.17	1.18	2.3
18.00	32.7	18.0	1.56	1.36	2.4
Min	32.7	16.5	---	---	---
Max	34.7	---	1.90	1.64	2.4
Spec	30.00 - 40.00	15.00 Min	2.00 Max	2.00 Max	2.50 Max

Bias @ 12 Volts, IT= $\frac{210}{300}$ mA
mA Typ

All Measurements Taken at 25°C Ambient Room

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Contact Us

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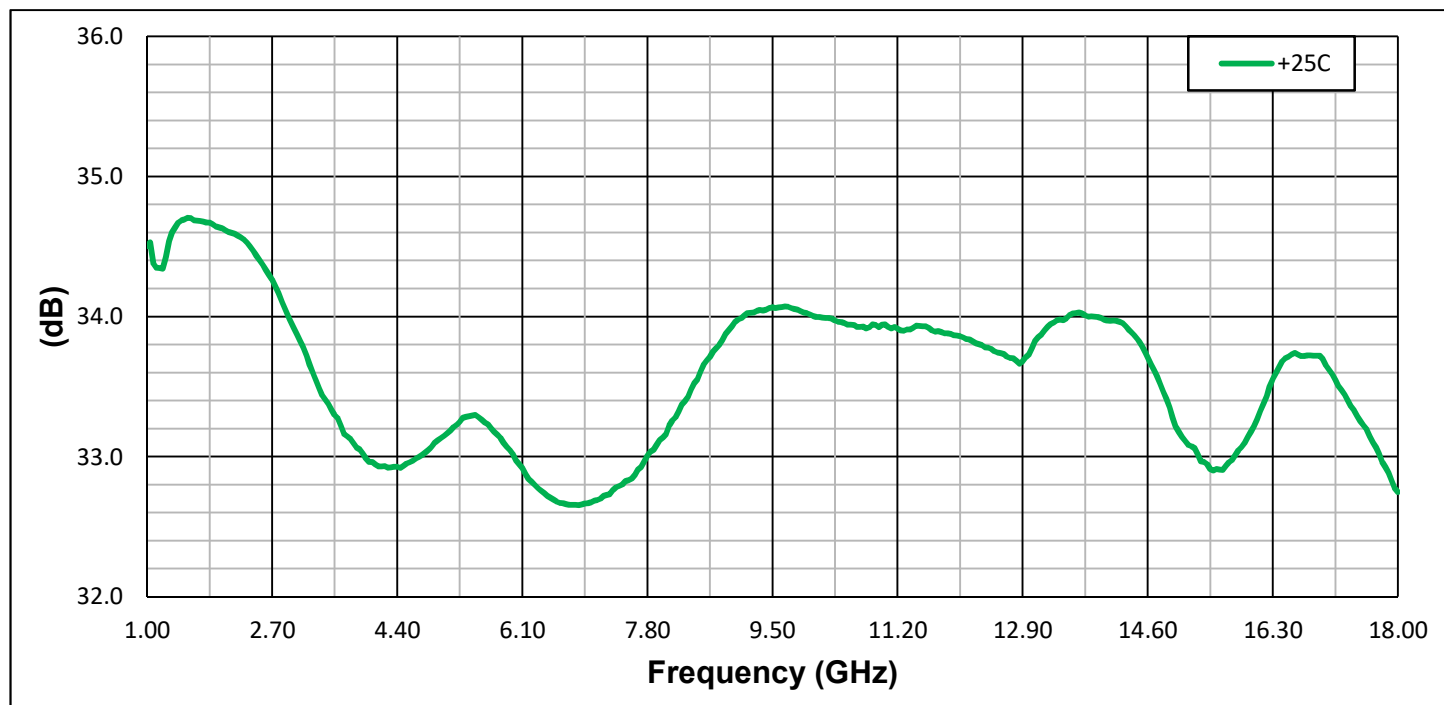
DATA PLOTS

RoHS COMPLIANT

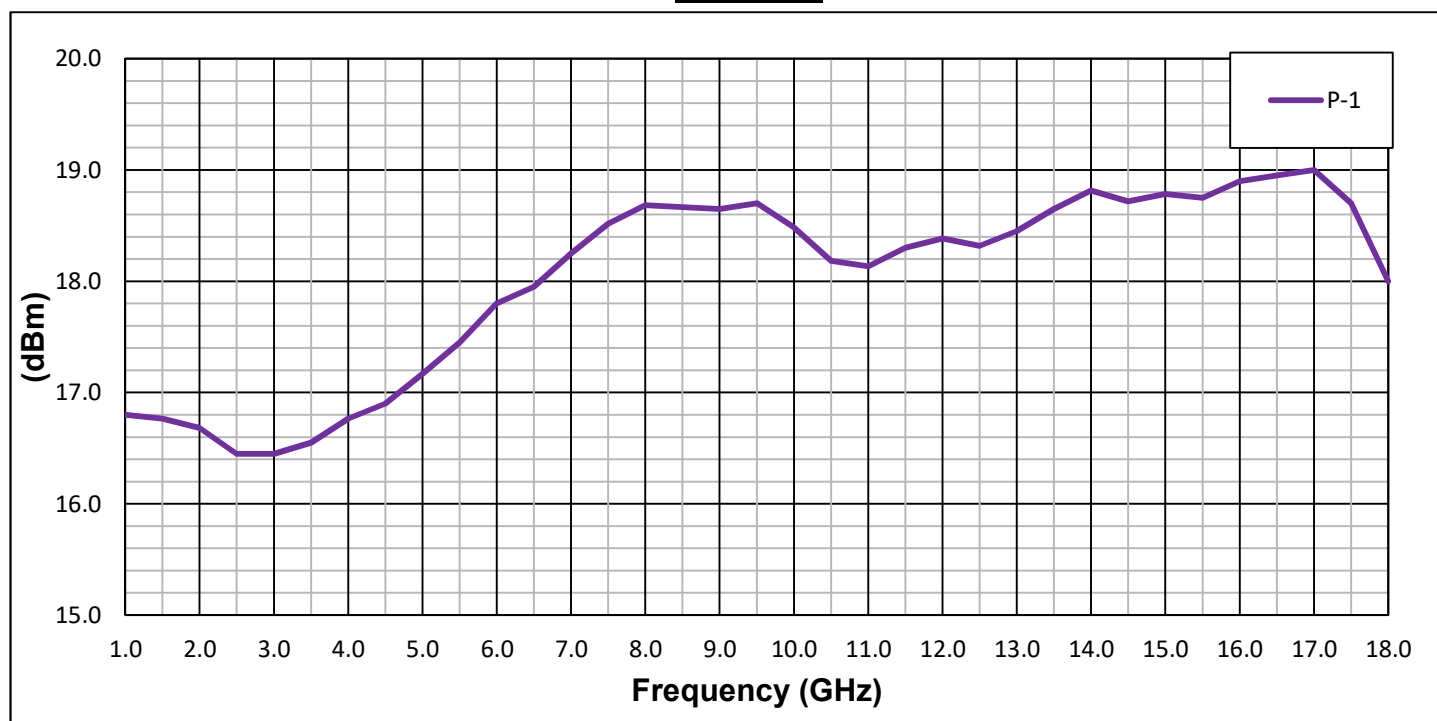
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Gain



Power



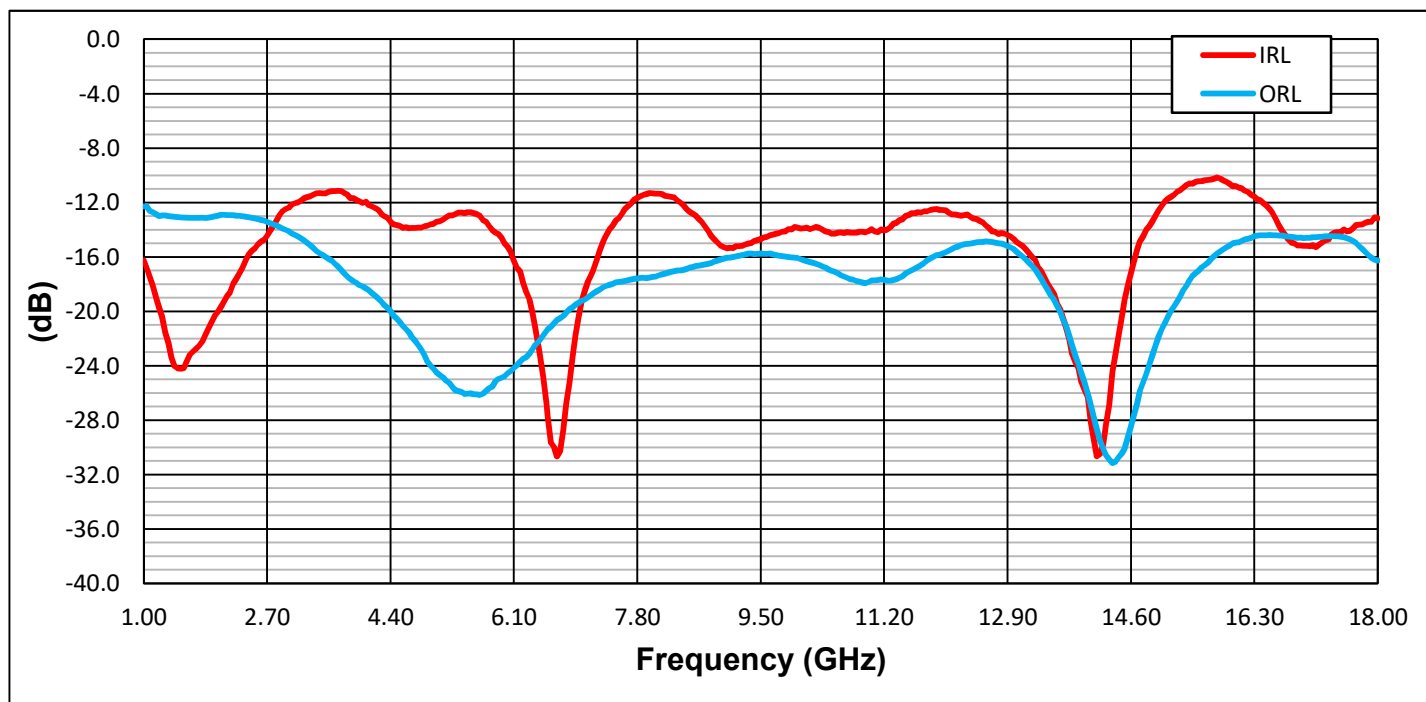
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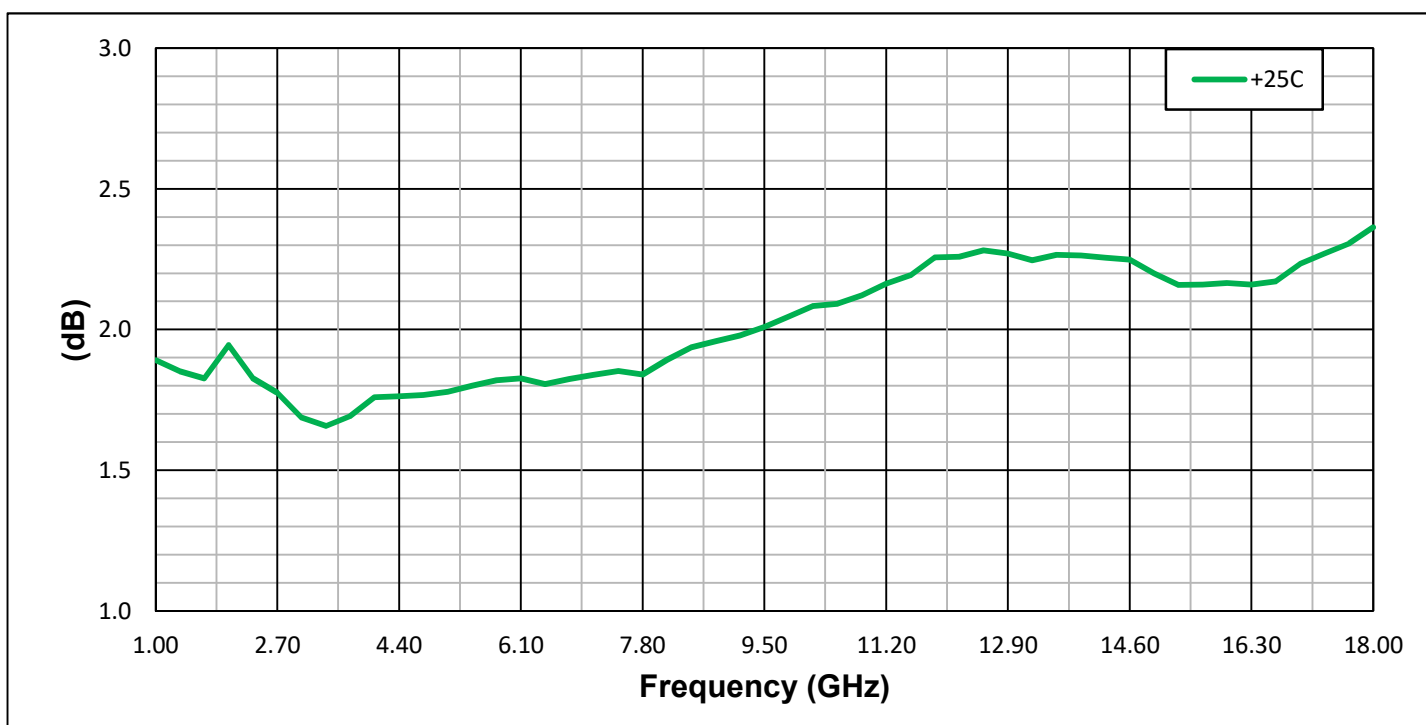
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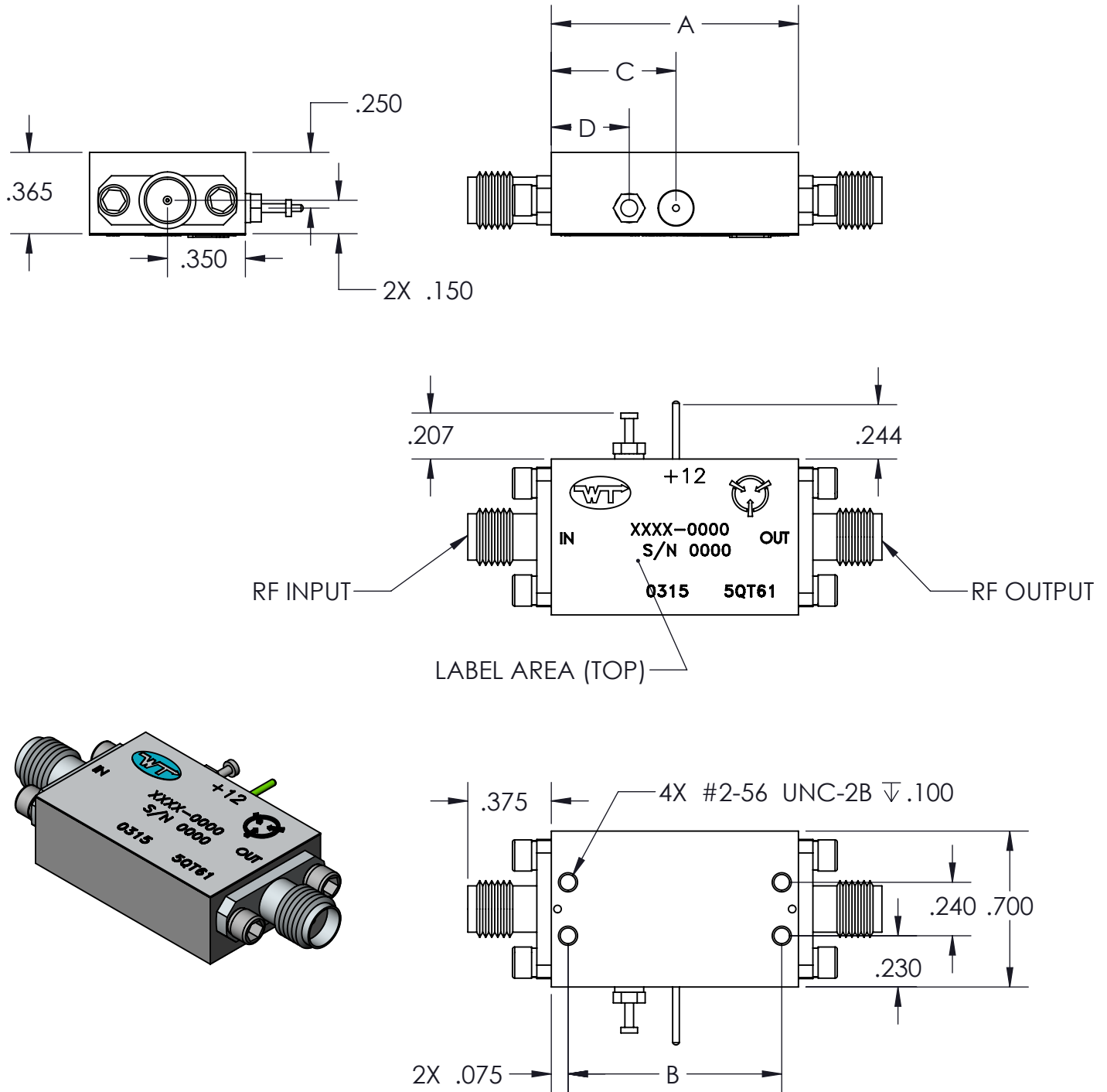
Return Loss



Noise Figure



WT PROPRIETARY RELEASE SUBJECT TO CHANGE



COAX CONNECTOR OPTIONS:

SMA, 2.9mm, 2.4mm
WAVEGUIDE OPTION AVAILABLE
UPON CUSTOMER REQUEST

APPLICATION NOTES:

UNLESS OTHERWISE SPECIFIED

1) ALL DIMENSION TOLERANCES

$\pm .010$ AFTER PLATING

2) STANDARD RF CONNECTORS ARE
FEMALE.

3) INTERPRET DRAWING PER ASME

Y14.5M-1994

TYPE		B	C	D
4	1.110	.960	.560	.350

Wright Technologies Inc.

TITLE

WT STANDARD 4KK, 4KV, 4VV SERIES