

# Coaxial Amplifier

# ZVE-0234LNX-K+

## Typical Performance Data

**Definitions:**

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS:  $V_s = 6V$ ,  $I_d = 58mA$  @ Temperature = +25°C

FREQUENCY (GHz)	GAIN (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		Pout @ 1 dB COMPRESSION (dBm)	P <sub>SAT</sub> (dBm)	NOISE FIGURE (dB)	OIP3 (dBm)
			IN	OUT				
1	13.9	43	13.6	8.0	13.3	19.5	5.1	27.4
2	16.7	40	22.3	13.4	15.6	20.4	4.0	27.4
3	16.9	36	30.1	13.4	15.5	20.4	3.5	26.9
4	17.0	30	29.6	13.6	15.5	20.4	3.1	26.6
5	17.0	28	25.4	14.5	15.7	20.4	2.7	26.7
6	17.0	27	21.0	15.9	15.8	20.3	2.2	26.9
7	16.9	26	18.6	17.3	15.8	20.2	1.9	26.8
8	16.8	26	17.1	18.9	15.6	20.2	1.7	26.6
9	16.7	26	16.6	21.3	15.5	20.1	1.6	26.6
10	16.6	26	16.6	24.9	15.4	20.0	1.6	26.5
11	16.5	25	17.4	26.1	15.3	19.7	1.7	26.4
12	16.4	24	18.9	22.0	15.2	19.6	1.8	26.2
13	16.3	22	21.4	19.1	15.2	19.6	1.9	26.4
14	16.3	21	25.9	17.6	15.0	19.5	2.0	26.1
15	16.3	20	33.2	16.8	14.8	19.3	2.1	26.2
16	16.3	19	33.9	16.3	14.8	18.9	2.3	26.3
17	16.4	18	32.2	16.6	14.6	18.7	2.3	26.2
18	16.5	17	29.6	18.8	14.4	18.8	2.4	25.8
19	16.6	15	21.5	25.6	14.1	18.7	2.4	25.4
20	16.6	14	16.5	26.0	13.8	18.6	2.4	25.1
21	16.6	14	14.3	18.6	13.4	18.3	2.5	24.9
22	16.6	13	14.2	16.8	13.4	18.3	2.7	24.4
23	16.7	13	15.9	18.7	13.3	18.4	2.9	24.1
24	16.8	12	18.4	27.9	13.1	18.4	3.0	24.1
25	16.7	12	18.2	25.5	13.0	18.4	3.2	23.9
26	16.5	11	16.1	16.5	13.0	18.4	3.4	23.8
27	16.2	10	14.8	13.4	12.6	18.5	3.6	23.5
28	16.1	9	14.7	13.1	12.5	18.4	3.8	23.0
29	16.1	8	15.1	15.4	12.4	18.2	4.0	22.8
30	16.1	7	16.0	22.4	12.4	18.2	4.3	22.2
31	15.9	7	18.6	24.6	12.2	18.1	4.6	22.2
32	15.5	8	19.8	17.2	11.8	18.1	5.0	21.6