

# Coaxial Amplifier

ZX60-223LPN+

## 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: Vd = 6V, Id = 110mA @ Temperature = +25°C

FREQUENCY (GHz)	GAIN (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		STABILITY		Pout @ 1 dB COMPRESSION (dBm)	P <sub>SAT</sub> (dBm)	NOISE FIGURE (dB)	OIP3 (dBm)
			IN	OUT	K	Measure				
0.01	18.7	58	16.3	7.1	306	0.82	20.3	23.9	22.8	35.0
0.05	19.4	61	15.7	17.3	552	1.01	21.3	22.3	21.5	33.9
0.10	19.4	57	15.8	19.4	354	1.01	20.9	22.2	21.2	32.1
0.40	19.0	46	15.3	23.1	100	1.02	19.2	21.6	17.2	28.9
0.60	18.5	44	14.9	22.5	76	1.03	18.8	21.2	15.3	28.7
0.80	18.2	44	14.4	23.6	76	1.03	18.5	21.0	13.7	28.1
1.00	17.8	46	14.0	28.0	94	1.04	18.0	20.6	12.3	27.9
2.00	17.6	38	13.5	19.2	36	1.03	17.8	20.5	8.3	27.8
3.00	17.4	36	12.3	17.0	30	1.04	18.1	20.5	6.6	28.0
4.00	17.5	37	12.9	14.8	31	1.02	18.2	20.5	5.3	28.2
5.00	17.4	33	15.3	13.4	21	0.98	18.1	20.5	4.5	28.2
6.00	17.3	30	21.1	13.2	15	0.96	18.0	20.4	4.1	28.0
7.00	17.2	28	22.6	14.4	12	0.97	18.3	20.4	3.9	28.3
8.00	17.1	27	18.1	14.9	10	0.98	18.5	20.3	3.8	28.5
9.00	17.1	25	18.3	14.2	8	0.98	18.8	20.4	3.9	28.6
10.00	17.2	23	21.3	14.8	7	0.97	19.0	20.4	4.1	28.9
11.00	17.1	22	17.5	15.6	6	0.99	18.7	20.0	4.3	28.5
12.00	16.5	22	14.7	14.5	6	0.99	18.2	19.7	4.5	28.8
13.00	16.1	22	15.9	16.9	6	1.00	18.0	19.2	4.7	28.0
14.00	15.9	22	17.2	27.8	6	1.01	18.1	19.0	5.0	29.4
15.00	15.6	23	13.3	10.9	6	0.97	17.9	18.7	5.4	29.0
16.00	15.1	23	10.8	6.9	5	0.86	17.6	18.0	5.9	28.2
17.00	14.9	22	9.7	7.1	5	0.86	17.3	18.1	6.3	27.5
18.00	15.6	19	10.8	12.5	4	1.01	17.0	18.5	6.7	27.0
19.00	15.7	17	9.7	11.8	3	0.99	15.7	18.1	6.8	25.9
20.00	14.6	19	8.4	6.8	3	0.87	15.7	17.5	6.9	26.6
21.00	15.0	18	11.3	9.0	3	0.94	15.7	17.6	7.0	26.2
22.00	15.4	17	11.5	8.3	3	0.87	15.3	17.5	7.3	24.6
23.00	15.8	15	11.4	8.1	2	0.84	14.9	17.0	7.6	23.4
24.00	16.2	14	12.8	21.1	2	1.01	13.6	16.6	8.1	24.3

