

# Coaxial Amplifier

ZX60-06183P+

## 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 = 5V, Id = 51mA @ Temperature = +25°C

FREQUENCY (GHz)	GAIN (dB)	ACTIVE DIRECTIVITY (dB)	RETURN LOSS (dB)		STABILITY		Pout @ 1 dB COMPRESSION (dBm)	NOISE FIGURE (dB)	OIP3 (dBm)
			IN	OUT	K	Measure			
5.0	24.3	41	7.6	6.8	38	0.9	9.1	1.5	21.1
5.5	24.2	39	7.4	7.2	30	1.0	9.2	1.5	21.6
6.0	24.0	37	7.2	7.7	23	1.0	9.1	1.5	21.6
6.5	24.0	35	7.1	8.1	20	1.0	8.6	1.6	20.1
7.0	24.1	34	7.5	8.7	18	1.0	8.2	1.6	18.9
7.5	24.3	33	8.2	9.3	17	1.0	7.7	1.6	18.1
8.0	24.6	33	9.2	10.2	19	1.0	7.2	1.6	17.3
8.5	24.8	32	10.7	11.3	17	1.0	6.8	1.6	16.4
9.0	25.0	32	12.4	13.3	17	1.0	6.5	1.5	16.5
9.5	25.1	32	14.2	15.9	20	1.0	6.5	1.5	16.4
10.0	25.1	34	15.6	20.1	24	1.0	6.5	1.5	16.4
10.5	25.0	36	16.2	25.8	30	1.0	6.6	1.5	16.8
11.0	25.0	39	16.3	34.5	45	1.0	6.7	1.5	16.8
11.5	25.1	42	15.6	28.5	63	1.0	6.9	1.5	17.1
12.0	25.2	45	14.4	26.5	90	1.0	6.9	1.5	17.4
12.5	25.1	45	13.4	28.7	90	1.0	7.2	1.5	17.7
13.0	25.1	41	12.5	36.4	54	1.1	7.4	1.5	18.2
13.5	25.1	39	11.8	34.8	40	1.1	7.3	1.5	18.0
14.0	25.3	36	11.1	24.8	31	1.1	7.1	1.6	17.9
14.5	25.4	33	10.5	19.2	19	1.1	7.0	1.6	17.7
15.0	25.6	31	10.2	15.8	15	1.1	7.2	1.7	17.6
15.5	25.9	29	10.7	13.9	12	1.0	7.6	1.7	18.0
16.0	26.3	27	12.3	12.8	10	1.0	8.2	1.7	18.8
16.5	26.6	26	16.3	12.8	9	1.0	8.9	1.7	19.6
17.0	26.8	25	21.5	13.6	8	1.0	9.4	1.7	20.4
17.5	26.8	26	11.7	12.9	9	1.0	9.5	1.8	20.6
18.0	26.5	27	6.0	8.9	7	1.1	9.1	1.9	20.4
18.5	25.5	25	3.1	5.7	3	1.1	8.5	2.0	20.3
19.0	23.4	26	2.2	4.8	3	1.1	8.1	2.1	19.7

