

# Coaxial Amplifier

# ZVA-5803X+

## Typical Performance Data

FREQUENCY (GHz)	GAIN (dB) 10V	ACTIVE DIRECTIVITY (dB) 10V	RETURN LOSS (dB)		Pout @ 1 dB COMPRESSION (dBm) 10V	Pout at SATURATION (dBm) 10V	Output IP3 (dBm) 10V	Noise Figure (dB) 10V
			IN 10V	OUT 10V				
0.5	11.09	72.85	5.7	11.2	10.80	13.73	20.92	8.61
1.0	13.39	73.92	10.5	14.6	11.41	14.12	23.54	6.78
2.0	16.96	69.84	15.0	22.7	12.18	15.77	23.60	5.87
3.0	18.13	64.87	15.9	24.2	12.33	16.16	24.24	5.61
4.0	18.03	60.61	15.4	23.1	12.20	15.86	24.40	5.44
5.0	17.76	58.39	15.1	25.0	11.98	15.82	24.30	5.61
6.0	17.44	57.07	15.3	31.9	11.89	15.44	24.21	5.68
7.0	17.07	55.53	15.7	32.4	11.73	15.47	24.26	5.74
8.0	16.70	55.00	16.0	24.3	11.60	15.35	24.31	5.80
9.0	16.36	54.49	15.3	21.1	11.59	15.30	24.22	5.84
10.0	16.11	53.89	14.7	19.8	11.60	15.24	24.28	5.78
11.0	15.93	53.27	14.2	19.0	11.70	15.27	24.24	5.68
12.0	15.82	53.20	14.0	17.9	11.72	15.52	24.15	5.60
13.0	15.79	52.12	14.2	16.6	11.76	15.34	24.06	5.43
14.0	15.84	51.54	14.3	15.6	11.76	15.43	24.14	5.30
15.0	15.94	50.92	14.5	15.2	11.79	15.54	24.24	5.22
16.0	16.08	50.17	14.9	15.2	11.96	15.53	24.29	5.18
17.0	16.21	49.43	15.3	15.5	11.99	15.70	24.38	5.08
18.0	16.33	47.93	15.6	15.9	12.20	15.74	24.53	5.04
19.0	16.45	47.07	16.0	16.3	12.27	15.86	24.60	4.96
20.0	16.58	45.49	16.9	16.9	12.41	15.81	24.66	4.88
21.0	16.72	43.80	18.2	17.5	12.49	15.97	24.68	4.77
22.0	16.84	42.00	19.1	17.3	12.53	16.05	24.76	4.73
23.0	16.97	40.18	19.8	16.9	12.58	16.00	24.82	4.71
24.0	17.09	38.56	18.8	17.1	12.54	16.26	24.87	4.66
25.0	17.24	35.75	16.8	18.8	12.81	15.81	24.70	4.61
26.0	17.37	33.12	15.5	22.3	12.69	15.45	24.90	4.53
27.0	17.44	32.46	16.0	24.4	12.61	16.09	24.59	4.39
28.0	17.52	33.82	16.7	19.7	12.73	15.92	24.34	4.30
29.0	17.64	35.73	17.2	15.9	12.63	15.92	24.44	4.24
30.0	17.77	36.97	18.5	14.0	12.48	15.88	24.65	4.28
31.0	17.94	37.39	21.5	13.4	12.41	15.77	24.31	4.24
32.0	18.13	37.66	29.2	14.1	12.45	15.57	24.92	4.31
33.0	18.32	37.67	25.5	15.9	12.31	15.48	25.03	4.29
34.0	18.42	37.09	20.1	18.2	12.14	15.35	24.82	4.31
35.0	18.46	36.83	18.0	19.2	12.04	15.20	24.41	4.32
36.0	18.42	37.16	17.2	18.2	11.97	15.17	24.27	4.40
37.0	18.34	36.11	17.9	16.5	11.72	14.80	23.60	4.40
38.0	18.18	35.69	19.1	14.5	11.59	14.78	23.68	4.47
39.0	17.99	35.13	19.1	12.5	11.55	15.32	23.38	4.60
40.0	17.71	34.33	21.1	10.9	11.38	14.55	24.11	4.46
41.0	17.66	33.62	21.3	10.3	11.36	14.32	25.71	4.50
42.0	17.86	35.02	19.3	10.8	11.65	14.74	26.20	4.62
43.0	17.95	36.93	17.9	11.7	11.89	14.48	26.35	4.76
44.0	18.03	38.75	17.5	12.9	12.02	14.93	26.46	4.80
45.0	18.12	40.04	16.3	14.3	12.01	14.89	25.79	4.96
46.0	18.18	41.18	14.9	16.1	11.98	14.88	24.26	4.94
47.0	18.24	42.49	13.9	18.7	11.86	14.64	23.82	4.78
48.0	18.32	43.26	13.8	21.3	11.87	14.96	23.84	4.60
49.0	18.38	43.37	14.1	19.6	11.83	14.90	24.14	4.39
50.0	18.41	43.32	14.9	16.2	11.95	14.94	24.22	4.53
51.0	18.45	41.09	15.5	13.9	11.78	14.82	24.11	4.60
52.0	18.55	40.37	15.7	13.0	11.66	14.66	24.42	4.67
53.0	18.72	39.00	14.1	13.3	11.39	14.83	24.11	4.74
54.0	18.94	37.09	13.1	14.8	11.77	14.44	23.78	4.96
55.0	19.07	36.60	12.1	17.4	11.22	14.20	23.67	
56.0	19.17	36.66	12.2	21.5	11.25	14.44	23.49	
57.0	19.19	36.85	12.6	26.8	10.86	13.98	22.43	
58.0	19.18	36.37	13.5	19.2	10.56	13.81	22.24	
59.0	19.03	36.40	13.0	14.3	10.40	13.83	22.48	
60.0	18.91	36.01	11.6	12.0	9.99	13.27	22.05	
61.0	18.90	35.95	10.0	11.0	10.37	13.71	21.81	
62.0	19.17	34.58	10.1	10.9	10.29	13.95	22.16	
63.0	19.56	32.63	11.1	11.5	10.15	13.81	21.86	
64.0	19.98	30.70	14.6	13.1	10.26	13.68	21.26	
65.0	20.12	28.91	23.6	16.3	10.14	13.71	21.30	
66.0	19.87	27.98	28.4	20.0	9.84	13.09	21.49	
67.0	19.45	27.46	22.3	23.4	9.33	12.68	21.42	
68.0	19.02	27.34	20.9	29.9	9.89	13.10		
69.0	18.62	27.36	19.2	24.2	9.59	12.83		
70.0	18.26	27.62	16.8	20.3	9.08	12.39		
71.0	17.99	28.40	14.7	17.5	9.01	12.30		
72.0	17.73	29.40	13.3	13.7	8.45	11.81		
73.0	17.54	31.03	13.5	10.9	8.61	12.00		
74.0	17.58	32.12	15.3	9.7	8.45	11.77		
75.0	18.01	31.09	18.9	9.4	8.58	11.81		
76.0	18.51	29.99	17.2	9.7	8.34	11.40		
77.0	18.84	30.76	12.1	10.1	8.12	10.98		
78.0	19.22	34.55	10.0	10.3	7.89	11.08		
79.0	19.66	38.95	9.4	10.5	7.38	10.31		
80.0	19.69	35.94	10.5	11.1	6.49	10.10		