

Broadband Amplifier

ZHL-ED12129B/1

Typical Performance Data

FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR IN (:1) 24V	VSWR OUT (:1) 24V	NOISE FIGURE (dB) 24V	Pout at 1dB Comp. (dBm) 24V
	23V	24V	24.5V	23V	24V	24.5V				
20.0	44.58	44.76	44.82	32.88	35.63	31.57	1.14	5.78	7.00	29.77
30.0	40.00	40.00	39.99	40.15	39.90	43.94	1.25	7.27	6.76	31.60
40.0	45.46	45.45	45.43	31.06	30.19	34.57	1.33	4.68	7.03	31.50
50.0	47.77	47.81	47.81	26.88	29.85	26.31	1.32	3.21	7.10	35.80
60.0	48.64	48.70	48.71	24.58	27.40	27.35	1.27	2.60	7.09	38.15
70.0	48.94	49.01	49.02	21.45	24.26	27.46	1.22	2.32	7.03	39.37
75.0	48.95	49.03	49.04	25.03	23.67	23.35	1.20	2.23	7.02	39.84
80.0	48.93	49.00	49.02	28.82	27.82	25.20	1.19	2.18	7.03	40.12
85.0	48.90	48.98	49.00	24.06	24.49	26.26	1.17	2.15	7.00	40.30
90.0	48.88	48.95	48.97	23.02	26.48	27.12	1.17	2.17	7.01	40.48
95.0	48.87	48.95	48.96	25.01	25.17	25.79	1.17	2.21	7.04	40.30
100.0	48.88	48.96	48.98	23.60	26.00	23.53	1.17	2.26	7.04	40.53
125.0	48.82	48.92	48.94	25.25	25.18	25.21	1.25	2.52	7.06	40.63
150.0	48.71	48.82	48.84	26.18	26.54	23.48	1.35	2.66	7.04	41.18
175.0	48.70	48.80	48.82	22.41	27.04	25.58	1.45	2.70	7.16	42.00
200.0	48.82	48.91	48.93	27.69	25.91	29.45	1.51	2.65	7.10	42.78
225.0	49.03	49.12	49.14	24.54	26.53	26.55	1.54	2.54	7.18	42.08
250.0	49.29	49.38	49.40	25.52	23.50	27.54	1.53	2.41	7.00	41.78
275.0	49.52	49.61	49.63	26.84	33.01	22.46	1.49	2.26	7.04	41.78
300.0	49.76	49.84	49.86	24.78	24.04	22.99	1.43	2.19	7.00	41.97
325.0	50.07	50.15	50.17	32.31	28.10	20.66	1.40	2.23	6.97	41.53
350.0	50.42	50.53	50.56	25.79	22.98	22.28	1.40	2.35	6.88	41.27
375.0	50.44	50.56	50.58	24.97	25.94	27.42	1.41	2.18	6.88	41.48
400.0	50.68	50.77	50.80	24.33	30.56	26.17	1.46	2.11	6.79	41.78
425.0	50.96	51.08	51.14	37.84	30.29	28.23	1.52	2.12	6.72	41.50
450.0	50.99	51.16	51.17	28.12	26.70	25.66	1.54	2.15	6.67	41.23
475.0	50.96	51.13	51.17	27.56	24.38	24.32	1.53	2.32	6.57	40.80
500.0	50.68	50.86	50.92	29.82	28.79	32.55	1.49	2.72	6.54	40.41
525.0	50.08	50.28	50.35	28.02	31.15	33.51	1.42	3.40	6.63	40.44
550.0	49.24	49.45	49.52	29.37	34.27	35.55	1.31	4.33	6.68	39.95
575.0	48.42	48.62	48.70	34.41	35.78	32.63	1.21	5.26	6.74	39.55
600.0	47.78	48.02	48.10	44.70	30.67	34.51	1.15	5.91	6.79	39.27
625.0	46.85	47.23	47.36	34.66	38.90	40.26	1.17	6.49	6.70	38.47
650.0	44.11	44.68	44.89	50.47	46.61	44.51	1.21	7.96	6.86	35.54
675.0	39.34	39.94	40.16	46.54	56.42	43.47	1.20	9.71	7.03	33.22
700.0	35.50	35.94	36.10	47.77	46.72	59.99	1.17	8.36	7.04	34.02
725.0	31.44	31.91	32.08	48.90	54.53	54.44	1.15	11.19	7.62	33.35
750.0	27.24	27.64	27.78	63.67	58.83	62.22	1.13	10.60	8.09	26.49
775.0	25.35	25.73	25.86	57.00	58.68	59.06	1.11	9.40	10.53	24.31
800.0	22.74	23.09	23.20	59.22	70.28	61.97	1.10	10.21	12.98	21.97