

High Power Amplifier

ZHL-5W-202-S+

Typical Performance Data

FREQUENCY (MHz)	GAIN (dB) 28V	DIRECTIVITY (dB) 28V	VSWR (:1)		NOISE FIGURE (dB) 28V	Pout @ 3 dB	Pout @	OUTPUT IP3 (dBm) 28V
			IN 28V	OUT 28V		COMPRESSION (dBm) 28V	SATURATION (dBm) 28V	
5	49.2	38.5	1.12	2.22	--	38.91	40.02	45.98
6	49.8	34.0	1.13	2.18	--	38.82	39.85	46.31
7	50.2	31.0	1.13	2.10	--	38.73	39.74	46.55
8	50.5	30.8	1.13	2.09	--	38.68	39.66	46.65
9	50.8	35.3	1.12	2.08	--	38.65	39.61	46.67
10	51.0	39.4	1.12	2.04	10.58	38.64	39.58	46.64
15	51.6	59.4	1.12	1.95	10.58	38.68	39.56	47.34
20	51.9	33.1	1.13	1.91	10.36	38.77	39.60	47.62
25	52.1	46.4	1.13	1.86	10.36	38.78	39.62	47.75
30	52.2	35.6	1.14	1.81	10.32	38.79	39.64	47.87
35	52.2	30.0	1.14	1.79	10.32	38.82	39.72	48.06
40	52.3	34.6	1.14	1.77	10.27	38.88	39.82	48.12
45	52.3	39.8	1.14	1.74	10.27	38.98	39.91	48.29
50	52.3	42.2	1.15	1.75	10.26	39.06	40.00	48.46
55	52.2	46.9	1.15	1.73	10.26	39.13	40.07	48.38
60	52.2	52.2	1.15	1.75	10.25	39.17	40.12	48.46
65	52.2	47.6	1.16	1.78	10.25	39.18	40.14	48.46
70	52.2	43.5	1.16	1.80	10.25	39.18	40.14	48.47
75	52.2	51.5	1.16	1.84	10.25	39.16	40.14	48.33
80	52.2	55.9	1.16	1.89	10.24	39.17	40.13	48.51
85	52.3	42.0	1.16	1.96	10.24	39.15	40.13	47.77
90	52.3	45.4	1.16	2.00	10.23	39.18	40.15	47.72
95	52.3	51.4	1.16	2.05	10.23	39.19	40.20	47.68
100	52.2	53.3	1.16	2.10	10.23	39.19	40.22	47.54
150	52.1	43.4	1.15	2.44	10.22	39.09	40.22	46.84
200	51.8	53.5	1.15	2.82	10.19	39.13	40.60	46.79
250	51.2	54.3	1.14	2.85	10.15	39.02	40.26	46.37
300	50.5	50.1	1.13	2.86	10.13	39.28	40.77	46.75
350	50.2	45.4	1.12	2.71	10.08	38.67	40.20	46.12
400	50.1	58.1	1.11	2.64	10.06	39.13	40.92	46.86
450	50.3	47.0	1.09	2.71	10.02	38.73	40.87	46.45
500	50.9	56.4	1.07	2.79	9.98	39.46	41.35	47.00
550	51.6	43.3	1.05	2.86	9.94	38.71	40.97	46.17
600	52.1	55.5	1.04	2.89	9.92	39.51	41.74	47.01
650	52.4	58.8	1.04	2.83	9.91	39.13	41.24	46.84
700	52.2	49.4	1.04	2.71	9.90	39.41	41.09	46.60
750	51.8	39.6	1.04	2.66	9.88	38.37	40.89	46.21
800	51.3	56.8	1.04	2.56	9.90	39.19	41.28	47.23
850	50.8	52.3	1.05	2.50	9.93	39.01	41.48	47.30
900	50.5	57.5	1.05	2.33	9.96	39.47	41.55	47.29
950	50.4	66.5	1.05	2.26	10.00	38.54	41.64	47.24
1000	50.7	66.8	1.05	2.10	9.99	38.86	41.93	47.80
1050	51.2	44.3	1.05	2.07	9.98	38.29	41.10	47.88
1100	51.7	42.9	1.07	2.01	9.95	38.39	41.22	47.59
1150	51.9	43.7	1.08	2.01	9.99	38.68	41.57	48.23
1200	51.7	44.0	1.08	1.91	10.05	39.12	41.22	47.92
1250	51.5	42.6	1.08	1.92	10.09	39.50	41.46	48.33
1300	51.4	52.0	1.07	1.85	10.06	39.59	41.38	48.23
1350	51.6	44.4	1.05	1.84	10.03	39.47	41.41	48.23
1400	51.9	45.0	1.05	1.76	10.01	38.70	41.22	48.27
1450	52.1	43.9	1.07	1.70	10.02	38.98	41.35	48.29
1500	52.1	45.3	1.10	1.60	10.07	38.81	41.11	47.90
1550	51.8	51.6	1.13	1.48	10.11	38.97	41.04	47.34
1600	51.3	50.8	1.15	1.41	10.13	38.62	40.86	47.50
1650	50.7	50.5	1.15	1.31	10.12	38.56	40.99	46.69
1700	50.4	47.6	1.14	1.27	10.12	38.35	40.76	46.65
1750	50.3	45.8	1.13	1.23	10.11	38.43	40.70	46.58
1800	50.8	52.9	1.10	1.26	10.12	38.58	40.86	46.89
1850	51.5	67.4	1.09	1.27	10.14	38.77	40.92	46.89
1900	52.0	47.3	1.14	1.41	10.17	39.53	41.18	47.27
1950	51.4	48.5	1.18	1.49	10.17	39.79	40.99	46.89
2000	50.1	59.2	1.19	1.69	10.16	39.84	40.93	46.68
2050	48.7	47.5	1.16	1.64	10.20	39.97	41.16	47.07
2100	47.6	53.4	1.13	1.96	10.25	39.90	40.98	46.20
2150	46.9	48.3	1.10	1.91	10.30	39.21	40.34	45.66
2200	46.2	57.4	1.08	2.38	10.35	38.14	39.27	45.07



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