

# High Power Amplifier

# ZHL-5W-422+

## Typical Performance Data

FREQ. (MHz)	GAIN (dB) 28V	DIRECTIVITY (dB) 28V	VSWR (:1)		NOISE FIGURE (dB) 28V	POUT @ 1 dB COMPRESSION (dBm) 28V	POUT @ 3 dB COMPRESSION (dBm) 28V	OUTPUT IP2 (dBm) 28V	OUTPUT IP3 (dBm) 28V
			IN 28V	OUT 28V					
500.0	25.10	70.74	1.67	4.26	9.03	37.30	38.08	60.31	46.80
550.0	24.86	82.68	1.50	4.79	8.87	37.38	37.95	60.58	46.78
600.0	24.79	75.82	1.41	5.31	8.55	37.31	38.03	59.86	46.72
650.0	24.86	73.86	1.38	5.83	8.39	37.28	38.11	59.12	46.68
700.0	24.99	71.95	1.37	6.35	8.08	37.15	38.17	59.44	46.73
750.0	25.13	71.35	1.37	6.83	7.82	36.81	37.92	59.47	46.75
800.0	25.19	68.10	1.36	7.25	7.57	36.77	38.09	60.04	46.79
850.0	25.12	66.45	1.35	7.60	7.43	36.59	37.82	59.38	46.84
900.0	24.93	68.20	1.33	7.87	7.37	36.35	37.66	59.66	46.73
950.0	24.67	69.01	1.32	8.12	7.31	36.11	37.49	58.56	46.53
1000.0	24.37	75.92	1.31	8.31	7.22	35.81	37.30	57.19	46.10
1050.0	24.15	69.35	1.30	8.51	7.04	35.53	37.34	55.58	45.96
1100.0	23.98	65.71	1.29	8.72	7.04	35.53	37.14	54.80	45.83
1150.0	23.90	66.27	1.30	8.86	7.04	35.56	37.11	54.31	45.81
1200.0	23.90	66.09	1.31	8.95	7.09	35.47	37.13	53.89	45.93
1250.0	23.99	66.55	1.33	9.04	7.11	35.42	36.99	53.98	46.07
1350.0	24.13	64.21	1.40	8.90	7.33	35.58	36.90	55.68	46.27
1400.0	24.66	63.30	1.44	8.95	7.11	35.48	36.69	55.69	46.05
1450.0	25.16	61.47	1.46	8.81	7.15	35.63	36.74	56.12	46.05
1500.0	25.50	59.88	1.47	8.64	7.14	35.58	36.93	56.01	46.10
1550.0	25.76	62.41	1.47	8.27	7.28	35.44	36.78	56.85	46.27
1600.0	25.87	61.91	1.46	7.80	7.26	35.71	37.07	58.08	46.52
1650.0	25.76	62.66	1.44	7.34	7.31	35.43	37.26	59.15	46.77
1700.0	26.02	61.99	1.43	6.61	7.41	36.01	37.56	60.70	47.41
1750.0	25.86	60.07	1.41	6.61	7.43	35.86	37.55	61.22	47.41
1800.0	25.75	56.97	1.38	6.39	7.44	35.94	37.22	61.72	47.32
1850.0	25.69	57.38	1.34	6.15	7.45	35.97	37.39	61.83	47.24
1900.0	25.62	57.23	1.29	5.93	7.51	36.24	37.56	61.08	47.23
1950.0	25.47	57.33	1.23	5.70	7.55	36.10	37.43	60.16	47.34
2000.0	25.22	59.99	1.18	5.47	7.57	35.96	37.38	59.35	47.37
2050.0	24.88	58.76	1.12	5.28	7.44	36.40	37.47	59.17	47.43
2100.0	24.47	59.90	1.08	5.16	7.45	36.35	37.69	58.69	47.55
2150.0	24.07	60.53	1.05	5.09	7.52	36.35	37.66	59.15	47.69
2200.0	23.77	60.57	1.05	5.07	7.45	36.52	37.89	56.82	46.02
2250.0	23.57	58.48	1.07	5.13	7.46	36.42	37.86	57.99	46.19
2300.0	23.58	60.88	1.11	5.20	7.37	36.09	37.72	59.64	45.96
2350.0	23.74	56.91	1.15	5.25	7.34	36.34	38.10	66.14	45.97
2400.0	24.02	57.72	1.18	5.23	7.27	36.50	38.43	60.79	46.47
2500.0	24.46	55.38	1.28	4.95	7.32	36.47	38.25	62.31	46.43
2600.0	24.69	55.44	1.44	4.30	7.00	36.52	38.05	61.52	46.76
2700.0	24.29	56.33	1.52	4.01	6.98	36.04	37.73	63.84	47.04
2750.0	24.02	55.90	1.55	3.99	6.97	36.25	38.07	64.16	46.83
2800.0	23.86	55.41	1.58	4.02	7.00	36.04	37.69	63.70	46.75
2900.0	23.91	55.08	1.62	4.15	6.92	36.12	37.52	66.56	46.49
3000.0	24.21	54.46	1.65	4.19	6.91	35.90	37.49	66.50	46.32
3100.0	24.20	54.19	1.61	4.05	7.02	36.36	37.55	67.36	46.14
3200.0	23.70	55.57	1.50	3.89	7.14	36.58	38.01	70.03	47.01
3300.0	23.78	55.33	1.34	3.68	7.08	36.76	38.38	71.92	47.15
3400.0	24.15	52.98	1.21	3.36	7.21	37.05	38.74	73.22	47.33
3500.0	24.45	51.99	1.17	2.74	7.13	37.52	38.90	74.41	47.25
3600.0	24.14	52.64	1.19	2.24	6.98	37.46	38.81	80.31	46.33
3700.0	24.21	52.01	1.31	2.09	7.09	37.99	39.04	79.61	46.60
3800.0	24.31	52.25	1.49	1.82	7.08	37.81	38.98	71.07	46.43
3850.0	24.42	50.92	1.58	1.69	6.94	38.28	39.01	72.41	46.25
3900.0	24.51	50.58	1.64	1.57	7.03	37.96	38.82	67.02	46.14
4000.0	24.54	50.28	1.70	1.45	7.36	38.89	39.66	67.76	47.03
4100.0	24.46	49.23	1.76	1.61	7.48	38.96	40.04	73.66	47.48
4200.0	23.76	50.43	1.86	2.01	7.57	39.06	39.94	79.22	47.60



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