

High Power Amplifier

ZHL-4W-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	24.96	70.34	1.46	1.73	12.33	37.07	38.37	64.09	48.83
550.0	25.39	65.74	1.25	2.00	12.03	37.25	38.37	62.21	48.76
600.0	25.67	57.58	1.18	2.21	11.93	37.00	38.10	60.95	48.70
650.0	25.87	60.44	1.23	2.38	11.77	37.15	38.22	60.91	48.68
700.0	26.02	60.40	1.30	2.45	11.78	37.04	38.24	60.48	48.54
750.0	26.16	69.37	1.37	2.50	11.67	37.17	38.21	60.45	48.39
800.0	26.25	63.77	1.44	2.49	11.79	37.03	38.06	58.97	48.49
850.0	26.29	72.42	1.48	2.40	11.47	36.98	38.01	57.73	48.69
900.0	26.24	63.46	1.51	2.31	11.51	36.96	38.04	56.71	48.63
950.0	26.08	58.88	1.54	2.18	11.41	36.78	37.91	56.73	48.50
1000.0	25.87	57.07	1.56	2.06	11.39	36.62	37.95	55.77	47.84
1050.0	25.62	60.37	1.58	2.01	11.22	36.47	37.62	55.28	47.91
1100.0	25.42	68.17	1.59	1.97	10.97	36.01	37.58	54.02	47.90
1150.0	25.30	57.45	1.59	1.92	11.03	36.18	37.86	53.79	47.98
1200.0	25.31	60.91	1.58	1.84	10.86	36.23	37.71	53.67	47.96
1250.0	25.39	75.52	1.58	1.79	10.71	36.21	37.79	53.28	47.80
1300.0	25.13	63.77	1.58	1.74	10.83	35.71	37.20	51.93	47.38
1350.0	25.56	58.16	1.56	1.67	10.66	35.99	37.37	52.20	47.73
1400.0	25.97	74.94	1.56	1.62	10.61	36.03	37.43	51.30	47.75
1450.0	26.15	61.96	1.57	1.58	10.37	35.98	37.62	51.48	47.96
1500.0	26.26	76.56	1.55	1.55	10.70	36.12	37.52	51.26	47.93
1550.0	26.15	60.13	1.55	1.51	10.25	36.25	37.96	51.81	48.00
1600.0	25.98	58.02	1.55	1.49	10.35	36.17	37.75	51.53	47.86
1650.0	25.84	66.16	1.53	1.50	10.32	36.24	37.73	51.74	47.93
1700.0	25.75	70.08	1.53	1.50	10.12	36.05	37.45	51.96	47.82
1750.0	25.74	54.96	1.55	1.53	10.14	36.00	37.53	52.56	47.83
1800.0	25.80	62.48	1.56	1.58	10.16	35.92	37.54	53.45	47.82
1850.0	25.90	62.36	1.55	1.65	10.14	35.91	37.59	53.86	47.67
1900.0	25.99	60.91	1.57	1.72	9.92	35.77	37.34	53.37	47.54
1950.0	26.00	58.36	1.57	1.79	10.06	35.69	37.43	53.01	47.40
2000.0	26.00	67.23	1.55	1.88	9.88	35.51	37.18	53.13	47.24
2050.0	25.84	59.68	1.56	1.96	10.18	35.55	36.95	53.32	47.07
2100.0	25.64	59.85	1.58	2.01	10.03	35.32	36.91	53.04	46.83
2150.0	25.46	77.01	1.58	2.10	9.95	35.46	36.91	52.74	46.60
2200.0	25.33	63.44	1.59	2.18	9.72	35.10	36.44	52.53	46.37
2250.0	25.27	61.54	1.62	2.23	9.89	34.49	36.36	50.88	46.32
2300.0	25.33	58.23	1.61	2.30	9.70	34.39	36.20	50.98	46.22
2350.0	25.48	59.47	1.61	2.33	9.88	34.70	36.30	50.17	45.99
2400.0	25.68	53.66	1.63	2.37	9.74	34.36	35.89	48.37	45.76
2450.0	25.86	57.22	1.63	2.33	9.80	34.32	35.98	47.77	45.53
2500.0	25.97	73.37	1.61	2.23	9.70	33.94	35.66	48.41	46.50
2550.0	25.97	63.15	1.62	2.14	9.44	33.94	35.60	49.66	45.79
2600.0	25.89	66.69	1.62	1.96	9.61	34.14	35.72	50.17	45.64
2650.0	25.78	59.55	1.59	1.77	9.34	33.90	35.68	49.64	45.35
2700.0	25.61	71.57	1.59	1.61	9.61	33.89	35.45	52.44	45.33
2750.0	25.48	59.06	1.59	1.47	9.73	33.45	35.48	50.97	45.19
2800.0	25.44	57.05	1.55	1.37	9.55	33.15	35.00	48.19	44.77
2900.0	25.70	64.25	1.58	1.28	9.54	33.65	34.93	45.72	44.97
3000.0	25.69	74.54	1.53	1.32	9.74	32.59	34.47	44.33	43.99
3100.0	25.30	62.32	1.51	1.50	9.60	33.35	34.81	45.89	45.05
3200.0	25.01	68.87	1.47	1.69	9.75	32.95	34.18	44.84	44.80
3300.0	25.16	68.93	1.40	1.82	9.90	33.01	34.19	46.31	44.97
3400.0	25.64	62.12	1.38	1.83	10.10	32.92	34.58	48.67	44.69
3500.0	25.82	58.97	1.31	1.79	9.99	33.33	35.07	47.70	45.04
3600.0	25.66	60.57	1.26	1.77	9.97	33.45	35.22	52.07	44.87
3700.0	25.32	66.84	1.24	1.66	10.05	34.11	35.32	50.24	44.57
3800.0	25.44	55.56	1.20	1.52	10.01	34.38	35.99	50.93	45.23
3900.0	25.98	53.38	1.21	1.37	9.85	34.26	35.79	49.01	45.48
4000.0	26.50	52.65	1.22	1.32	9.90	33.91	35.56	47.54	45.17
4100.0	26.34	63.98	1.30	1.35	9.49	33.81	35.68	44.71	44.98
4200.0	25.36	53.26	1.40	1.44	9.13	33.39	35.20	46.59	45.00

