

# High Power Amplifier

# ZHL-15W-422+

## Typical Performance Data

FREQUENCY (MHz)	GAIN (dB) 28V	DIRECTIVITY (dB) 28V	VSWR (:1)		NOISE FIGURE (dB) 28V	POUT @ 1 dB COMPRESSION (dBm) 28V	POUT AT SATURATION (dBm) 28V	OUTPUT IP3 (dBm) 28V
			IN 28V	OUT 28V				
500	52.20	53.57	1.44	4.87	12.20	37.43	40.65	44.27
600	47.03	51.20	1.23	4.01	11.76	37.66	41.71	45.51
700	45.80	58.52	1.15	3.35	11.71	37.79	43.03	46.89
800	46.37	67.16	1.17	3.09	12.13	37.58	43.90	47.94
900	46.68	63.75	1.22	3.01	12.11	37.59	44.23	48.49
1000	47.09	59.56	1.28	2.95	11.57	37.68	44.43	49.17
1100	48.05	56.04	1.33	2.75	11.44	38.15	45.46	49.74
1200	48.50	52.05	1.37	2.17	11.77	38.98	46.06	50.17
1300	48.09	63.29	1.40	1.64	11.60	39.22	46.02	50.24
1400	47.13	71.70	1.43	1.37	11.38	39.09	45.50	50.20
1500	45.77	55.90	1.44	1.16	10.87	39.35	45.05	50.01
1600	45.05	63.15	1.44	1.08	10.60	39.68	44.59	49.91
1700	45.58	60.60	1.44	1.12	10.93	39.87	44.54	49.74
1800	47.18	56.68	1.43	1.21	10.80	40.02	45.00	49.82
1900	47.81	57.29	1.41	1.37	10.12	40.12	44.86	49.44
2000	47.17	59.24	1.38	1.54	9.87	39.99	44.73	49.18
2100	46.20	64.46	1.35	1.66	10.33	39.81	44.90	49.67
2200	45.51	59.05	1.31	1.70	8.91	39.55	44.77	49.33
2300	45.42	65.06	1.25	1.64	9.36	39.16	44.31	48.84
2400	46.18	60.26	1.19	1.57	9.52	38.86	44.02	48.93
2500	47.51	55.96	1.13	1.49	9.40	39.13	44.24	49.22
2600	48.51	57.91	1.07	1.50	8.34	39.01	43.90	48.53
2700	48.49	59.17	1.06	1.55	9.26	39.15	43.43	48.96
2800	47.63	56.47	1.10	1.59	9.30	39.16	43.55	49.08
2900	46.57	59.43	1.17	1.61	9.17	39.14	43.55	48.49
3000	45.65	63.96	1.24	1.62	11.36	38.80	43.03	48.48
3100	45.29	53.25	1.29	1.62	9.25	38.64	42.80	48.59
3200	45.85	57.00	1.35	1.66	8.88	38.31	42.80	48.27
3300	46.85	51.31	1.39	1.97	9.01	38.70	43.39	48.49
3400	46.59	53.93	1.43	2.40	9.18	38.88	42.98	48.67
3500	45.58	56.00	1.45	2.33	9.10	38.79	42.71	48.52
3600	45.58	71.82	1.44	2.03	9.18	38.33	42.32	48.68
3700	47.11	58.10	1.42	1.80	9.28	38.42	42.57	48.64
3800	47.67	52.33	1.45	1.53	9.47	38.33	42.97	48.10
3900	47.13	59.23	1.45	1.27	9.39	38.48	42.93	48.50
4000	47.13	54.51	1.43	1.17	9.66	39.33	43.53	48.91
4100	46.89	59.01	1.42	1.29	9.33	39.44	43.69	48.03
4200	45.25	54.32	1.41	1.67	9.70	38.87	42.70	47.04
4300	42.13	65.30	1.41	2.29	9.90	36.96	40.21	45.14



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IF/RF MICROWAVE COMPONENTS

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