

High Power Amplifier

ZHL-100W-52+

Typical Performance Data

Frequency (MHz)	Gain			Directivity (dB) 24V	VSWR In (:1) 24V	VSWR Out (:1) 24V	Noise Figure (dB) 24V	Pout at 1dB Compression (dBm) 24V	Output IP3 (dBm) 24V
	22V	24V	27V						
50.0	51.72	51.50	51.12	23.55	1.39	1.38	7.20	47.43	60.28
60.0	51.64	51.43	51.06	23.64	1.41	1.43	6.66	47.95	61.38
80.0	51.50	51.30	50.93	22.54	1.43	1.45	6.43	47.89	61.21
100.0	51.20	50.98	50.58	21.68	1.43	1.44	6.30	47.72	60.81
125.0	50.71	50.50	50.10	28.38	1.43	1.48	6.19	47.84	60.21
150.0	50.27	50.06	49.65	30.66	1.43	1.56	6.13	48.17	59.40
175.0	50.00	49.78	49.36	35.23	1.43	1.69	6.08	48.42	59.48
200.0	49.80	49.58	49.14	23.65	1.42	1.87	6.13	48.29	59.03
225.0	49.69	49.45	48.99	29.72	1.40	2.08	6.24	48.27	58.57
250.0	49.73	49.48	48.99	26.53	1.36	2.33	6.29	48.64	58.31
275.0	49.89	49.63	49.12	24.78	1.30	2.59	6.41	48.34	58.09
300.0	50.09	49.82	49.29	29.40	1.21	2.89	6.47	48.36	58.04
325.0	50.45	50.17	49.63	32.75	1.12	3.19	6.52	47.97	57.74
350.0	50.62	50.36	49.82	31.19	1.16	3.48	6.58	47.75	57.54
375.0	50.65	50.40	49.89	28.91	1.35	3.75	6.64	47.72	57.38
400.0	50.49	50.26	49.78	32.24	1.59	4.03	6.65	48.16	57.41
425.0	50.46	50.26	49.82	29.20	1.81	4.27	6.81	48.26	57.40
450.0	50.59	50.44	50.05	30.91	1.97	4.56	6.91	48.06	57.41
475.0	51.10	51.03	50.73	34.50	2.05	5.01	6.95	47.68	57.32
500.0	51.74	51.79	51.63	22.34	1.96	5.67	7.06	47.18	56.97

