

High Power Amplifier

ZHL-50W-63+

Typical Performance Data

FREQUENCY (MHz)	GAIN (dB) 40V	DIRECTIVITY (dB) 40V	VSWR (:1)		NOISE FIGURE (dB) 40V	POUT @ 1 dB COMPRESSION (dBm) 40V	POUT AT SATURATION (dBm) 40V	OUTPUT IP3 (dBm) 40V
			IN 40V	OUT 40V				
700	57.3	33.3	1.70	1.08	13.64	42.57	46.89	52.23
800	60.4	50.9	1.60	1.05	12.77	43.52	48.13	52.73
900	61.7	34.5	1.49	1.05	12.28	43.91	48.79	53.02
1000	61.9	48.1	1.26	1.08	12.21	44.14	49.05	54.56
1200	61.2	33.3	1.09	1.07	11.58	43.61	48.88	56.06
1400	60.2	31.2	1.04	1.05	11.43	42.40	47.99	57.71
1600	59.0	32.7	1.12	1.06	11.22	41.78	47.57	55.26
1800	57.0	41.6	1.18	1.12	11.11	41.56	46.91	54.20
2000	57.3	44.1	1.22	1.24	11.23	42.21	47.52	53.79
2200	59.9	39.8	1.24	1.15	11.23	43.14	48.00	54.32
2400	62.7	23.4	1.25	1.37	11.24	43.46	48.10	55.37
2600	61.8	34.7	1.22	1.34	11.36	43.13	48.01	55.42
2800	60.3	37.7	1.19	1.33	11.28	43.00	47.63	55.06
3000	60.3	29.6	1.13	1.13	11.11	42.99	47.12	56.33
3200	59.9	39.8	1.06	1.48	11.05	42.54	46.30	51.88
3400	60.2	32.2	1.06	1.48	10.97	41.38	45.65	52.93
3600	60.9	31.2	1.10	1.48	10.76	41.48	46.29	53.24
3800	60.1	33.6	1.20	1.48	10.76	41.38	45.98	52.89
4000	61.1	30.1	1.25	1.66	10.72	41.48	46.88	53.71
4200	62.4	27.4	1.25	1.42	10.69	41.51	46.91	52.77
4400	63.0	33.3	1.23	1.48	10.86	40.29	46.16	51.29
4600	62.6	27.7	1.26	1.23	10.98	39.81	45.47	51.08
4800	61.6	29.0	1.42	1.42	11.42	41.24	46.59	51.50
5000	60.9	36.7	1.48	1.34	11.20	41.61	46.83	51.42
5200	59.1	26.7	1.46	1.59	11.33	41.08	46.80	50.72
5400	59.5	42.6	1.46	1.91	11.28	41.60	47.17	50.04
5600	59.6	33.6	1.38	1.91	11.33	42.68	46.57	50.96
5800	57.9	30.5	1.22	1.29	11.60	42.64	45.83	53.14
6000	57.1	32.7	1.22	1.29	11.72	41.62	45.01	51.56



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 The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

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