

Amplifier

ZHL20M1G0100X+

Typical Performance Data

Test Conditions: Supply Current = 6500 mA, DC Supply Voltage = 50V.

Freq. (MHz)	Gain (dB)	Directivity (dB)	Return Loss		Stability K	1dB Comp. (dBm)	IP3 Output (dBm)	Noise Figure (dB)
			In (dB)	Out (dB)				
20	54.84	13.81	-11.18	-8.87	1.98	50.78	47.87	8.81
40	55.04	36.27	-11.91	-9.68	26.94	50.66	48.17	8.26
60	55.02	29.01	-12.29	-11.01	12.16	50.60	48.15	8.41
80	54.94	26.59	-12.32	-12.67	9.48	50.48	48.09	8.27
100	54.77	26.73	-12.40	-14.53	9.96	50.09	47.84	8.11
150	54.13	43.45	-12.76	-15.29	68.83	49.44	47.09	7.90
170	53.83	35.60	-12.94	-13.41	27.65	49.02	46.84	7.92
190	53.54	37.00	-13.28	-11.60	31.80	48.64	46.72	8.04
210	53.29	31.65	-13.60	-10.08	16.76	47.99	46.10	8.18
230	53.05	30.74	-13.88	-8.87	14.70	48.60	45.67	8.11
250	52.85	38.58	-14.47	-8.07	35.17	49.11	45.45	8.04
300	52.86	35.43	-15.07	-6.18	22.28	50.25	45.38	7.83
320	53.09	36.05	-15.28	-5.69	22.97	49.97	45.30	7.71
340	53.42	35.92	-15.28	-5.32	21.77	49.81	45.16	7.59
360	53.79	45.64	-15.27	-4.88	64.55	49.65	44.95	7.90
380	54.34	35.31	-15.22	-4.64	18.89	49.90	44.89	7.89
400	54.66	39.09	-15.11	-4.68	29.38	49.60	44.68	7.98
450	54.54	34.21	-14.79	-6.01	18.88	48.86	44.46	7.58
470	53.86	33.67	-14.46	-6.54	18.40	48.85	44.58	7.80
490	53.12	43.44	-14.24	-6.90	57.85	48.57	44.53	7.83
510	52.49	35.12	-14.00	-7.07	22.48	49.15	44.58	7.78
530	52.05	42.39	-13.85	-7.19	51.99	49.79	45.11	7.45
550	51.81	53.71	-13.67	-7.64	194.84	49.75	45.44	7.50
600	52.82	48.71	-13.86	-6.82	104.80	48.53	44.23	7.35
620	52.95	37.38	-13.92	-6.90	28.73	48.81	44.59	7.36
640	53.06	34.61	-14.04	-7.11	21.14	48.86	45.15	7.38
660	53.19	36.88	-14.25	-7.16	27.67	49.08	45.41	7.48
680	53.32	32.21	-14.22	-7.12	16.20	49.52	45.53	7.32
700	53.40	35.94	-13.99	-7.27	24.96	50.10	45.85	7.27
750	53.56	44.72	-13.26	-8.19	70.95	50.74	47.34	6.92
770	53.13	52.62	-13.05	-8.71	179.62	50.99	48.42	7.11
790	53.77	42.51	-13.11	-8.97	56.55	50.44	50.08	7.15
810	54.48	38.82	-13.35	-9.65	37.97	50.14	51.13	7.23
830	54.87	35.40	-13.73	-10.94	26.42	50.26	49.93	7.35
850	54.68	42.47	-13.72	-12.61	61.11	50.08	48.63	7.26
900	53.01	38.72	-13.36	-12.74	39.42	49.44	47.35	7.32
920	52.62	41.84	-13.53	-10.43	54.73	48.84	45.95	7.27
940	52.61	36.80	-13.68	-8.53	29.01	48.91	45.53	7.32
960	52.81	37.63	-13.76	-7.06	30.03	48.91	44.65	7.50
980	52.91	36.95	-13.32	-6.37	26.55	49.09	44.87	7.41
1000	52.38	38.34	-12.58	-6.01	30.22	49.22	45.28	7.36