

Broadband Amplifier

ZFL-1200GH+

Typical Performance Data

Vctrl=0V @ 25°C									
FREQUENCY (MHz)	GAIN (dB) 15V	DIRECTIVITY (dB) 15V	VSWR IN (:1) 15V	VSWR OUT (:1) 15V	NOISE FIGURE (dB) 15V	Pout at 1dB Comp. (dBm) 15V	Pout at 3dB Comp. (dBm) 15V	Output IP2 (dBm) 15V	Output IP3 (dBm) 15V
10.0	33.86	13.91	1.21	1.50	6.21	15.17	16.74	51.99	31.32
50.0	34.34	19.18	1.17	1.25	5.24	15.73	16.79	50.30	32.59
100.0	34.36	37.95	1.16	1.24	4.86	16.01	17.13	51.13	33.86
200.0	34.31	53.92	1.12	1.35	4.92	16.35	17.49	54.02	33.33
300.0	34.00	42.75	1.14	1.43	4.55	16.99	17.95	56.51	32.84
500.0	33.42	41.56	1.21	1.56	4.81	17.51	17.89	52.37	29.62
600.0	33.27	47.04	1.24	1.57	4.86	17.57	17.92	53.34	28.70
800.0	32.93	53.89	1.28	1.53	4.92	17.40	17.76	52.99	26.78
1000.0	32.52	36.54	1.31	1.43	4.81	16.81	17.70	52.46	24.53
1100.0	32.25	39.49	1.33	1.38	5.16	16.70	17.02	53.92	23.89
1200.0	31.95	35.67	1.35	1.33	4.99	16.27	16.58	55.74	22.97



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IF/RF MICROWAVE COMPONENTS

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Typical Performance Data

FREQUENCY (MHz)	GAIN @ Vdc=15V & 25°C						FREQUENCY (MHz)	GAIN CONTROL RANGE @ Vdc=15V & 25°C (dB)	FREQUENCY (MHz)	GAIN @ Vdc=15V & Vctrl=0V		
	Vctrl (V) = 0	Vctrl (V) = 1	Vctrl (V) = 2	Vctrl (V) = 3	Vctrl (V) = 4	Vctrl (V) = 5				-20°C	+25°C	+71°C
10.0	33.86	25.79	7.79	-9.53	-24.37	-26.29	10.0	60.15	10.0	34.77	34.34	33.76
50.0	34.34	26.21	8.21	-9.19	-23.46	-25.89	50.0	60.23	100.0	34.97	34.52	34.06
100.0	34.36	26.17	8.12	-9.24	-23.59	-25.77	100.0	60.12	190.0	34.90	34.46	33.98
150.0	34.38	26.11	8.02	-9.32	-23.54	-25.69	150.0	60.07	290.0	34.66	34.18	33.68
200.0	34.31	26.01	7.90	-9.44	-23.49	-25.60	200.0	59.91	380.0	34.40	33.91	33.41
250.0	34.18	25.88	7.77	-9.57	-23.48	-25.53	250.0	59.71	480.0	34.10	33.63	33.15
300.0	34.00	25.73	7.63	-9.73	-23.50	-25.50	300.0	59.49	570.0	33.92	33.48	33.01
350.0	33.81	25.57	7.47	-9.93	-23.55	-25.54	350.0	59.35	670.0	33.76	33.33	32.84
400.0	33.65	25.41	7.30	-10.15	-23.67	-25.58	400.0	59.22	760.0	33.66	33.21	32.70
450.0	33.52	25.27	7.13	-10.40	-23.76	-25.61	450.0	59.13	850.0	33.56	33.06	32.53
500.0	33.42	25.15	6.95	-10.67	-23.85	-25.63	500.0	59.05	950.0	33.39	32.85	32.30
550.0	33.34	25.03	6.77	-10.96	-23.85	-25.54	550.0	58.88	1040.0	33.20	32.64	32.06
600.0	33.27	24.91	6.59	-11.22	-23.68	-25.31	600.0	58.58	1140.0	32.98	32.38	31.76
650.0	33.18	24.78	6.40	-11.44	-23.44	-25.02	650.0	58.20	1200.0	32.77	32.12	31.44
700.0	33.10	24.64	6.22	-11.63	-23.31	-24.89	700.0	57.99				
750.0	33.02	24.51	6.03	-11.87	-23.41	-24.99	750.0	58.01				
800.0	32.93	24.38	5.83	-12.17	-23.66	-25.23	800.0	58.16				
850.0	32.84	24.25	5.63	-12.53	-23.98	-25.55	850.0	58.39				
900.0	32.74	24.11	5.42	-12.94	-24.30	-25.87	900.0	58.61				
950.0	32.64	23.98	5.21	-13.37	-24.57	-26.10	950.0	58.74				
1000.0	32.52	23.83	4.99	-13.82	-24.76	-26.27	1000.0	58.79				
1050.0	32.38	23.68	4.76	-14.29	-24.89	-26.34	1050.0	58.72				
1100.0	32.25	23.53	4.53	-14.77	-24.95	-26.37	1100.0	58.62				
1150.0	32.10	23.37	4.29	-15.27	-24.99	-26.38	1150.0	58.48				
1200.0	31.95	23.20	4.04	-15.78	-25.01	-26.38	1200.0	58.32				



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