

Broadband Amplifier

ZFL-1200G+

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	26.94	20.17	1.20	1.29	10.85	9.60	11.21	46.48	21.92
50.0	27.30	29.38	1.18	1.15	8.12	9.60	10.95	41.81	22.99
100.0	27.38	43.55	1.17	1.19	6.21	10.60	12.00	42.79	24.61
200.0	27.31	41.29	1.17	1.33	5.93	10.85	12.26	44.28	24.50
300.0	27.23	38.39	1.18	1.44	5.94	11.08	12.38	46.68	24.77
400.0	27.10	50.36	1.19	1.57	5.96	11.48	12.44	43.69	24.82
500.0	26.93	56.49	1.20	1.64	6.56	11.17	11.99	39.78	23.66
600.0	26.78	48.17	1.22	1.71	6.38	11.46	12.16	39.47	23.27
700.0	26.66	41.28	1.23	1.73	6.50	11.14	11.87	38.26	22.28
800.0	26.56	45.20	1.25	1.71	6.46	11.00	11.73	37.49	21.34
900.0	26.45	43.02	1.27	1.68	6.72	10.64	11.38	36.84	20.32
1000.0	26.34	43.26	1.28	1.63	6.60	10.26	10.95	34.79	18.95
1100.0	26.21	46.52	1.31	1.55	6.78	10.03	10.73	35.23	18.15
1200.0	26.08	45.07	1.34	1.47	7.15	9.72	10.40	35.19	17.12



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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	26.94	18.45	0.24	-17.79	-32.18	-34.75	10.0	61.70	10.0	27.48	27.09	26.65
50.0	27.30	18.77	0.55	-17.31	-32.45	-34.64	50.0	61.93	60.0	27.82	27.37	26.93
100.0	27.38	18.84	0.65	-17.15	-32.17	-34.42	100.0	61.80	100.0	27.79	27.34	26.90
150.0	27.35	18.80	0.60	-17.17	-32.12	-34.31	150.0	61.66	140.0	27.74	27.28	26.84
200.0	27.31	18.75	0.54	-17.22	-32.06	-34.26	200.0	61.57	180.0	27.68	27.23	26.79
250.0	27.27	18.69	0.47	-17.27	-31.97	-34.10	250.0	61.37	220.0	27.62	27.17	26.73
300.0	27.23	18.62	0.40	-17.35	-31.92	-34.05	300.0	61.28	260.0	27.55	27.10	26.66
350.0	27.17	18.56	0.32	-17.43	-31.89	-34.04	350.0	61.20	300.0	27.48	27.04	26.59
400.0	27.10	18.48	0.23	-17.54	-31.88	-34.01	400.0	61.11	420.0	27.30	26.84	26.38
450.0	27.01	18.39	0.13	-17.65	-31.87	-33.92	450.0	60.93	500.0	27.18	26.72	26.26
500.0	26.93	18.31	0.04	-17.79	-31.88	-33.91	500.0	60.84	620.0	27.06	26.59	26.12
550.0	26.84	18.22	-0.07	-17.95	-31.95	-33.85	550.0	60.70	700.0	26.95	26.48	26.00
600.0	26.78	18.14	-0.18	-18.12	-32.01	-33.87	600.0	60.65	740.0	26.91	26.43	25.95
650.0	26.71	18.07	-0.28	-18.30	-31.99	-33.82	650.0	60.54	780.0	26.85	26.37	25.89
700.0	26.66	18.00	-0.40	-18.49	-31.91	-33.75	700.0	60.41	820.0	26.81	26.32	25.83
750.0	26.61	17.92	-0.52	-18.68	-31.79	-33.53	750.0	60.14	860.0	26.76	26.26	25.76
800.0	26.56	17.84	-0.64	-18.84	-31.58	-33.32	800.0	59.87	900.0	26.70	26.19	25.69
850.0	26.51	17.77	-0.75	-18.95	-31.40	-33.06	850.0	59.57	940.0	26.65	26.14	25.61
900.0	26.45	17.68	-0.88	-19.09	-31.32	-33.01	900.0	59.46	980.0	26.59	26.06	25.53
950.0	26.40	17.59	-1.01	-19.26	-31.41	-33.10	950.0	59.49	1020.0	26.54	25.99	25.44
1000.0	26.34	17.50	-1.14	-19.48	-31.66	-33.38	1000.0	59.71	1060.0	26.48	25.91	25.35
1050.0	26.27	17.41	-1.29	-19.75	-31.93	-33.67	1050.0	59.94	1100.0	26.42	25.83	25.27
1100.0	26.21	17.32	-1.44	-20.06	-32.23	-33.97	1100.0	60.18	1140.0	26.36	25.75	25.17
1150.0	26.15	17.23	-1.60	-20.40	-32.50	-34.24	1150.0	60.39	1180.0	26.27	25.65	25.05
1200.0	26.08	17.13	-1.77	-20.76	-32.75	-34.46	1200.0	60.54	1200.0	26.20	25.55	24.94



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