

Typical Performance Data

**NOTE: Use PDF Bookmarks to view DATA at required conditions
or to view GRAPHS.**

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: I = 18mA, Vd = 5V @Temperature = +25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
2600	8.64	26.90	1.76	6.68	1.50	0.50	20.21	8.94	2.26
2650	9.04	26.21	2.02	6.93	1.49	0.49	20.19	9.11	2.04
2700	9.43	25.53	2.33	7.22	1.48	0.49	20.40	9.42	1.86
2750	9.81	24.88	2.70	7.56	1.47	0.48	20.67	9.74	1.76
2800	10.16	24.25	3.13	7.94	1.46	0.47	21.00	10.01	1.61
2825	10.33	23.95	3.37	8.15	1.46	0.47	21.06	10.10	1.47
2850	10.49	23.65	3.64	8.37	1.46	0.47	21.03	10.18	1.47
2900	10.79	23.08	4.23	8.87	1.45	0.46	21.21	10.38	1.27
2950	11.06	22.55	4.93	9.43	1.45	0.46	21.42	10.57	1.29
3000	11.29	22.06	5.76	10.07	1.45	0.45	21.70	10.63	1.14
3050	11.49	21.61	6.74	10.80	1.44	0.44	21.82	10.77	1.25
3100	11.64	21.22	7.89	11.62	1.44	0.44	22.13	10.92	1.21
3150	11.75	20.86	9.23	12.54	1.44	0.43	22.14	10.87	1.07
3200	11.81	20.56	10.82	13.59	1.44	0.42	22.69	10.95	1.10
3250	11.83	20.29	12.65	14.76	1.44	0.42	22.85	10.75	0.91
3275	11.83	20.18	13.69	15.39	1.44	0.41	22.71	11.01	1.05
3300	11.82	20.08	14.77	16.07	1.44	0.41	23.15	10.96	0.90
3350	11.76	19.90	16.84	17.50	1.44	0.41	23.31	10.74	0.84
3400	11.67	19.75	18.16	19.15	1.44	0.40	23.43	10.64	0.74
3450	11.56	19.64	17.86	20.93	1.44	0.40	23.87	10.58	0.80
3500	11.42	19.55	16.36	22.86	1.43	0.39	23.82	10.67	0.76
3550	11.26	19.49	14.63	24.88	1.43	0.39	23.88	10.28	0.84
3600	11.09	19.45	13.07	26.62	1.43	0.38	23.81	10.48	0.95
3650	10.90	19.42	11.76	27.51	1.43	0.38	23.71	10.16	0.94
3700	10.70	19.40	10.67	27.17	1.43	0.37	23.55	10.11	0.91
3750	10.50	19.40	9.76	26.15	1.43	0.37	23.62	10.07	0.80
3800	10.30	19.40	9.00	24.94	1.43	0.37	23.41	9.71	0.88
3850	10.09	19.40	8.34	23.81	1.43	0.36	23.51	9.91	0.89
3900	9.88	19.40	7.79	22.75	1.44	0.36	23.19	9.70	1.01
3950	9.67	19.41	7.32	21.84	1.44	0.36	23.08	9.58	1.09
4000	9.47	19.42	6.90	21.05	1.44	0.36	23.03	9.12	1.05
4050	9.26	19.43	6.54	20.39	1.44	0.35	23.08	9.38	1.12
4100	9.06	19.44	6.22	19.78	1.44	0.35	22.95	8.98	1.13
4150	8.87	19.44	5.95	19.27	1.45	0.35	23.06	8.93	1.20
4200	8.67	19.44	5.71	18.81	1.45	0.35	23.02	8.78	1.29
4250	8.48	19.44	5.49	18.41	1.45	0.35	22.92	8.44	1.38
4300	8.29	19.43	5.30	18.05	1.46	0.34	22.65	8.59	1.59
4400	7.93	19.42	4.99	17.45	1.47	0.34	22.78	8.06	1.48



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Amplifier

ZX60-362LN-S+

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: I = 17mA, Vd = 5V @Temperature = -40degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
2600	8.86	27.06	1.57	6.22	1.40	0.53	20.93	9.13	1.76
2650	9.25	26.38	1.81	6.44	1.40	0.52	21.16	9.31	1.63
2700	9.63	25.71	2.09	6.71	1.39	0.52	21.33	9.58	1.44
2750	10.02	25.04	2.41	7.01	1.38	0.51	21.44	9.87	1.29
2800	10.38	24.40	2.80	7.37	1.38	0.51	21.76	10.07	1.27
2825	10.55	24.09	3.01	7.57	1.38	0.50	21.79	10.17	1.17
2850	10.71	23.79	3.26	7.78	1.38	0.50	21.85	10.31	1.06
2900	11.03	23.20	3.80	8.28	1.38	0.49	22.32	10.42	0.98
2950	11.32	22.64	4.44	8.83	1.37	0.49	22.48	10.68	0.89
3000	11.59	22.12	5.22	9.46	1.37	0.48	22.60	10.77	0.86
3050	11.81	21.65	6.12	10.20	1.37	0.47	22.88	10.90	0.89
3100	11.98	21.23	7.21	11.02	1.37	0.47	23.15	11.02	0.58
3150	12.11	20.85	8.46	11.92	1.37	0.46	23.22	10.99	0.74
3200	12.19	20.52	9.93	12.95	1.37	0.45	23.68	11.06	0.66
3250	12.23	20.24	11.52	14.06	1.37	0.45	23.81	10.89	0.50
3275	12.23	20.11	12.48	14.66	1.37	0.45	23.99	11.15	0.60
3300	12.22	20.00	13.46	15.35	1.37	0.44	24.15	11.05	0.69
3350	12.19	19.80	15.37	16.69	1.37	0.44	24.40	10.88	0.55
3400	12.11	19.64	16.97	18.24	1.37	0.43	24.50	10.74	0.50
3450	12.01	19.52	17.51	20.04	1.37	0.43	24.71	10.69	0.53
3500	11.89	19.41	16.79	21.93	1.37	0.42	25.02	10.80	0.48
3550	11.74	19.34	15.14	23.92	1.37	0.42	24.87	10.42	0.58
3600	11.57	19.29	13.46	25.51	1.37	0.41	25.33	10.67	0.64
3650	11.39	19.25	12.06	26.04	1.37	0.41	24.78	10.45	0.65
3700	11.20	19.23	10.94	25.60	1.37	0.41	24.44	10.34	0.52
3750	11.00	19.21	10.03	24.88	1.36	0.40	24.30	10.29	0.53
3800	10.81	19.20	9.25	23.92	1.36	0.40	24.73	9.97	0.59
3850	10.61	19.19	8.61	23.24	1.36	0.40	24.41	10.10	0.56
3900	10.42	19.18	8.06	22.37	1.36	0.39	24.22	10.03	0.78
3950	10.22	19.18	7.57	21.67	1.36	0.39	23.93	9.97	0.61
3975	10.12	19.19	7.34	21.32	1.36	0.39	23.82	10.00	0.80
4000	10.02	19.19	7.11	20.90	1.36	0.39	23.78	9.49	0.72
4050	9.82	19.20	6.72	20.30	1.36	0.38	23.69	9.79	0.73
4100	9.63	19.19	6.41	19.71	1.36	0.38	23.96	9.38	0.60
4150	9.44	19.18	6.15	19.19	1.36	0.38	24.12	9.35	0.90
4200	9.26	19.18	5.91	18.80	1.37	0.38	23.70	9.19	0.64
4250	9.08	19.17	5.69	18.33	1.37	0.37	23.92	8.88	0.92
4300	8.91	19.15	5.51	18.03	1.37	0.37	23.55	8.95	1.04
4400	8.55	19.12	5.19	17.38	1.38	0.37	23.34	8.42	1.08



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Amplifier

ZX60-362GLN-S+

Typical Performance Data

Definitions:

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: I = 18mA, Vd = 5V @Temperature = +85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP3 Output	1dB Comp. Output	Noise Figure
					K	Delta			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Delta	(dBm)	(dBm)	(dB)
2600	8.37	26.86	1.89	6.95	1.59	0.48	19.50	8.69	2.79
2650	8.78	26.18	2.16	7.24	1.58	0.47	19.76	8.85	2.57
2700	9.16	25.50	2.49	7.57	1.57	0.46	19.95	9.20	2.39
2750	9.54	24.86	2.87	7.95	1.55	0.46	20.02	9.55	2.18
2800	9.89	24.24	3.32	8.38	1.54	0.45	20.24	9.88	2.11
2825	10.05	23.93	3.58	8.62	1.54	0.45	20.32	9.94	1.99
2850	10.22	23.64	3.86	8.88	1.54	0.44	20.40	9.99	1.85
2900	10.51	23.08	4.48	9.44	1.53	0.43	20.71	10.25	1.75
2950	10.77	22.57	5.20	10.08	1.52	0.43	20.68	10.42	1.62
3000	10.99	22.09	6.06	10.79	1.52	0.42	21.05	10.49	1.59
3050	11.18	21.65	7.07	11.64	1.51	0.41	21.28	10.61	1.56
3100	11.32	21.27	8.26	12.56	1.51	0.41	21.52	10.77	1.32
3150	11.42	20.93	9.66	13.61	1.51	0.40	21.64	10.70	1.44
3200	11.48	20.63	11.34	14.81	1.51	0.39	22.06	10.82	1.32
3250	11.49	20.38	13.28	16.10	1.50	0.39	22.34	10.60	1.18
3275	11.48	20.27	14.43	16.81	1.50	0.39	22.33	10.82	1.21
3300	11.47	20.17	15.66	17.60	1.50	0.38	22.46	10.83	1.32
3350	11.40	20.00	18.06	19.20	1.50	0.38	22.79	10.55	1.18
3400	11.31	19.87	19.52	21.04	1.50	0.37	22.96	10.51	1.14
3450	11.19	19.76	18.91	23.15	1.50	0.37	23.15	10.43	1.16
3500	11.04	19.69	17.10	25.39	1.50	0.36	23.42	10.47	1.14
3550	10.87	19.64	15.07	28.24	1.50	0.36	23.40	10.11	1.25
3600	10.69	19.61	13.37	31.81	1.50	0.35	23.51	10.25	1.33
3650	10.49	19.59	12.01	36.28	1.51	0.35	23.32	9.91	1.31
3700	10.29	19.58	10.88	44.61	1.51	0.34	23.03	9.88	1.19
3750	10.08	19.58	9.96	53.42	1.51	0.34	23.11	9.84	1.19
3800	9.86	19.60	9.14	40.14	1.51	0.33	23.01	9.47	1.29
3850	9.63	19.62	8.46	35.77	1.52	0.32	22.99	9.60	1.23
3900	9.41	19.64	7.88	32.52	1.52	0.32	22.74	9.34	1.47
3950	9.19	19.66	7.40	30.30	1.53	0.31	22.66	9.21	1.35
3975	9.07	19.67	7.17	29.34	1.53	0.31	22.56	9.28	1.48
4000	8.96	19.68	6.96	28.38	1.53	0.31	22.50	8.78	1.51
4050	8.74	19.71	6.56	26.81	1.53	0.30	22.62	8.98	1.44
4100	8.52	19.73	6.22	25.27	1.54	0.30	22.48	8.58	1.42
4150	8.30	19.76	5.93	23.95	1.55	0.29	22.48	8.51	1.66
4200	8.08	19.78	5.66	22.83	1.55	0.29	22.44	8.37	1.43
4250	7.86	19.81	5.41	21.68	1.56	0.29	22.32	8.01	1.79
4300	7.65	19.83	5.19	20.70	1.57	0.29	22.41	8.23	1.77
4400	7.23	19.86	4.81	18.86	1.58	0.29	22.09	7.72	1.86



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