

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 = 101mA, 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)
3100	20.08	44.27	22.40	14.09	7.78	0.08	28.54	15.94	0.85
3200	20.08	43.66	23.04	14.14	7.28	0.08	28.92	16.02	0.91
3300	20.14	42.97	24.21	14.43	6.70	0.08	28.88	16.22	0.92
3310	20.15	42.92	24.32	14.47	6.66	0.08	28.98	16.22	0.94
3320	20.15	42.84	24.37	14.52	6.60	0.08	28.98	16.23	0.98
3330	20.17	42.77	24.53	14.57	6.53	0.08	28.96	16.25	0.97
3340	20.18	42.73	24.57	14.63	6.50	0.08	28.96	16.29	0.99
3350	20.18	42.64	24.76	14.68	6.43	0.08	28.99	16.21	0.95
3360	20.20	42.56	24.78	14.74	6.37	0.08	29.17	16.13	0.98
3370	20.21	42.49	24.79	14.80	6.31	0.08	29.25	16.17	0.95
3380	20.22	42.42	24.77	14.86	6.26	0.08	29.38	16.29	0.96
3390	20.23	42.36	24.71	14.91	6.21	0.08	29.64	16.33	0.95
3400	20.24	42.28	24.65	14.98	6.14	0.08	29.82	16.31	0.98
3420	20.27	42.13	24.26	15.13	6.02	0.08	30.17	16.31	0.89
3430	20.28	42.08	24.11	15.21	5.98	0.08	30.22	16.37	0.95
3440	20.29	41.99	23.86	15.29	5.92	0.08	30.27	16.40	0.96
3450	20.30	41.90	23.68	15.37	5.85	0.09	30.28	16.40	1.00
3460	20.32	41.85	23.36	15.47	5.80	0.09	30.21	16.41	0.95
3470	20.33	41.78	23.02	15.55	5.75	0.09	30.14	16.41	0.97
3480	20.35	41.71	22.64	15.65	5.70	0.09	30.10	16.39	0.98
3490	20.37	41.63	22.28	15.74	5.64	0.09	30.03	16.30	0.98
3500	20.38	41.57	21.89	15.84	5.59	0.09	30.01	16.29	0.93
3520	20.40	41.44	21.12	16.04	5.49	0.09	29.83	16.44	0.94
3530	20.42	41.35	20.68	16.14	5.42	0.09	29.82	16.55	0.93
3540	20.43	41.28	20.28	16.25	5.37	0.09	29.82	16.60	0.97
3550	20.44	41.22	19.89	16.36	5.32	0.09	29.84	16.61	0.98
3560	20.45	41.13	19.40	16.48	5.26	0.09	29.78	16.59	1.02
3570	20.47	41.07	19.06	16.59	5.22	0.09	29.84	16.53	1.05
3580	20.48	40.99	18.63	16.70	5.16	0.09	29.94	16.46	1.09
3590	20.50	40.94	18.27	16.82	5.11	0.09	29.96	16.48	1.09
3600	20.51	40.87	17.87	16.94	5.06	0.09	29.88	16.57	0.98
3700	20.60	40.17	14.32	18.11	4.55	0.09	30.64	16.90	1.01
3800	20.64	39.54	11.41	18.82	4.07	0.10	30.59	16.89	1.11
3900	20.58	39.00	9.05	18.52	3.64	0.10	30.42	16.86	1.04
4000	20.37	38.62	7.22	17.41	3.29	0.11	30.09	17.01	0.99
4200	19.55	38.26	4.80	15.35	2.82	0.11	30.20	16.14	1.17
4300	18.98	38.25	4.08	14.78	2.70	0.11	29.81	15.92	1.17
4400	18.35	38.30	3.60	14.57	2.67	0.10	29.75	15.62	1.29



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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 = 102mA, 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)
3100	20.87	43.95	21.01	14.21	6.86	0.09	29.48	16.02	0.54
3200	20.84	43.31	21.33	14.15	6.39	0.09	29.86	16.06	0.57
3300	20.88	42.67	22.78	14.33	5.94	0.10	30.14	16.19	0.58
3310	20.89	42.58	22.99	14.36	5.87	0.10	30.15	16.20	0.59
3320	20.90	42.52	23.21	14.40	5.84	0.10	30.16	16.20	0.64
3330	20.90	42.46	23.47	14.43	5.80	0.10	30.10	16.23	0.63
3340	20.92	42.40	23.72	14.47	5.75	0.10	30.13	16.24	0.65
3350	20.92	42.32	23.85	14.51	5.69	0.10	30.19	16.17	0.60
3360	20.93	42.25	24.10	14.55	5.65	0.10	30.21	16.08	0.66
3370	20.94	42.19	24.32	14.58	5.60	0.10	30.29	16.16	0.62
3380	20.95	42.11	24.65	14.63	5.55	0.10	30.33	16.29	0.64
3390	20.97	42.04	24.81	14.67	5.50	0.10	30.42	16.35	0.62
3400	20.97	41.96	25.05	14.71	5.45	0.10	30.46	16.30	0.65
3420	21.00	41.83	25.35	14.81	5.36	0.10	30.46	16.31	0.55
3430	21.01	41.76	25.43	14.87	5.31	0.10	30.48	16.37	0.59
3440	21.02	41.69	25.58	14.93	5.26	0.10	30.53	16.39	0.61
3450	21.03	41.62	25.64	14.99	5.22	0.10	30.52	16.37	0.66
3460	21.05	41.54	25.64	15.05	5.16	0.10	30.54	16.38	0.61
3470	21.07	41.48	25.52	15.11	5.12	0.10	30.52	16.41	0.63
3480	21.08	41.39	25.50	15.17	5.06	0.10	30.58	16.36	0.66
3490	21.09	41.32	25.40	15.24	5.02	0.10	30.66	16.29	0.65
3500	21.10	41.27	25.07	15.30	4.98	0.10	30.65	16.28	0.59
3520	21.13	41.12	24.43	15.43	4.88	0.10	30.70	16.49	0.58
3530	21.14	41.05	24.01	15.50	4.84	0.10	30.73	16.56	0.58
3540	21.16	40.98	23.56	15.58	4.79	0.10	30.78	16.56	0.62
3550	21.17	40.90	23.15	15.66	4.74	0.10	30.79	16.59	0.61
3560	21.19	40.84	22.71	15.75	4.70	0.10	30.81	16.56	0.67
3570	21.20	40.76	22.22	15.83	4.65	0.10	30.85	16.48	0.70
3580	21.21	40.69	21.69	15.92	4.61	0.10	30.90	16.42	0.76
3590	21.23	40.61	21.22	16.00	4.55	0.10	30.98	16.48	0.75
3600	21.24	40.54	20.75	16.08	4.51	0.10	30.90	16.57	0.64
3700	21.36	39.86	16.26	17.04	4.08	0.11	31.39	16.90	0.66
3800	21.43	39.21	12.73	17.80	3.65	0.12	31.38	16.89	0.76
3900	21.41	38.64	9.98	17.80	3.26	0.12	31.31	16.92	0.69
4000	21.25	38.20	7.81	17.00	2.92	0.13	31.19	17.04	0.62
4100	20.94	37.93	6.18	15.93	2.66	0.14	31.19	16.44	0.71
4200	20.47	37.81	4.99	15.09	2.46	0.13	31.23	15.99	0.75
4300	19.92	37.78	4.18	14.59	2.34	0.13	31.25	15.79	0.74
4400	19.30	37.82	3.63	14.43	2.29	0.11	31.44	15.41	0.87



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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 = 100mA, 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)
3100	19.43	44.46	25.75	14.30	8.61	0.07	28.19	15.62	1.16
3200	19.45	43.80	26.52	14.40	7.97	0.07	28.72	15.73	1.20
3300	19.53	43.16	27.11	14.74	7.37	0.07	29.13	15.96	1.23
3310	19.53	43.09	26.98	14.79	7.30	0.07	29.13	15.97	1.24
3320	19.54	43.02	26.98	14.84	7.24	0.07	29.20	16.00	1.28
3330	19.55	42.94	26.84	14.89	7.17	0.07	29.14	16.03	1.26
3340	19.57	42.89	26.74	14.94	7.12	0.07	29.16	16.06	1.31
3350	19.58	42.81	26.41	14.99	7.05	0.07	29.20	16.01	1.26
3360	19.59	42.75	26.16	15.05	6.99	0.07	29.35	15.94	1.31
3370	19.60	42.69	25.83	15.11	6.94	0.07	29.45	15.96	1.29
3380	19.61	42.60	25.51	15.18	6.85	0.07	29.51	16.07	1.30
3390	19.63	42.53	25.21	15.25	6.79	0.07	29.52	16.15	1.29
3400	19.64	42.49	24.77	15.33	6.75	0.07	29.58	16.12	1.29
3420	19.67	42.33	23.94	15.49	6.61	0.07	29.53	16.11	1.23
3430	19.68	42.25	23.53	15.58	6.54	0.07	29.56	16.17	1.25
3440	19.69	42.19	23.09	15.66	6.49	0.07	29.66	16.21	1.28
3450	19.70	42.11	22.70	15.74	6.42	0.07	29.72	16.20	1.31
3460	19.72	42.04	22.22	15.82	6.36	0.07	29.70	16.20	1.28
3470	19.74	41.98	21.74	15.91	6.30	0.07	29.72	16.24	1.31
3480	19.74	41.91	21.33	16.01	6.24	0.07	29.75	16.22	1.32
3490	19.76	41.82	20.90	16.11	6.16	0.07	29.79	16.17	1.33
3500	19.77	41.77	20.47	16.21	6.12	0.07	29.82	16.11	1.27
3520	19.80	41.62	19.63	16.43	5.99	0.07	29.84	16.28	1.27
3530	19.81	41.55	19.26	16.54	5.93	0.07	29.83	16.36	1.24
3540	19.83	41.49	18.88	16.64	5.88	0.07	29.93	16.40	1.28
3550	19.84	41.40	18.48	16.75	5.81	0.07	29.98	16.43	1.26
3560	19.85	41.35	18.08	16.86	5.76	0.07	29.99	16.43	1.33
3570	19.87	41.26	17.72	16.97	5.69	0.08	30.00	16.37	1.37
3580	19.88	41.19	17.34	17.09	5.63	0.08	30.01	16.31	1.43
3590	19.89	41.13	16.99	17.21	5.57	0.08	30.04	16.33	1.43
3600	19.90	41.06	16.61	17.34	5.52	0.08	29.93	16.42	1.33
3700	20.00	40.38	13.41	18.57	4.95	0.08	30.44	16.77	1.36
3800	20.03	39.77	10.79	19.32	4.43	0.09	30.37	16.77	1.45
3900	19.96	39.25	8.65	18.99	3.96	0.10	30.29	16.75	1.38
4000	19.74	38.89	6.94	17.91	3.59	0.10	30.08	16.92	1.33
4100	19.40	38.64	5.65	16.70	3.29	0.11	29.95	16.44	1.44
4200	18.89	38.57	4.68	15.73	3.10	0.11	29.94	16.14	1.53
4300	18.30	38.56	4.00	15.09	2.99	0.10	29.83	15.93	1.56
4400	17.64	38.64	3.53	14.77	2.98	0.10	29.77	15.63	1.73



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