

*Typical Performance Data***NOTE: Use PDF Bookmarks to view DATA at required conditions****Definitions:**

Input Return Loss = -S11 (dB)

Gain(Power Gain) = S21 (dB)

Reverse Isolation = -S12 (dB)

Output Return Loss = -S22 (dB)

TEST CONDITIONS: Vd = 5.50V, Id = 147.39mA @ Temperature = 25degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
200.0	16.12	21.32	13.76	17.75	1.14	0.71	39.59	21.79	2.23
250.0	16.09	21.19	15.84	19.83	1.14	0.71	39.39	21.74	2.25
300.0	16.06	21.24	17.57	20.57	1.15	0.72	40.46	22.12	2.24
350.0	16.00	21.22	18.68	20.05	1.15	0.72	40.49	22.09	2.20
400.0	15.95	21.15	19.32	19.01	1.15	0.71	41.39	22.13	2.28
450.0	15.88	21.22	19.61	17.82	1.16	0.71	41.05	22.13	2.25
500.0	15.79	21.23	19.30	16.62	1.16	0.71	41.83	22.49	2.22
525.0	15.76	21.20	19.29	16.21	1.16	0.71	41.18	22.29	2.27
550.0	15.74	21.19	19.14	15.84	1.16	0.71	41.69	22.12	2.27
575.0	15.70	21.21	18.92	15.38	1.16	0.71	43.58	22.46	2.36
600.0	15.67	21.19	18.61	14.96	1.16	0.70	42.28	22.28	2.36
625.0	15.62	21.22	18.33	14.58	1.17	0.71	42.58	22.37	2.35
650.0	15.58	21.26	18.07	14.22	1.17	0.71	44.22	22.60	2.37
675.0	15.54	21.25	17.78	13.88	1.17	0.70	45.48	22.56	2.32
700.0	15.49	21.26	17.36	13.59	1.17	0.70	45.31	22.60	2.36
725.0	15.43	21.26	17.03	13.29	1.18	0.70	46.76	22.71	2.32
750.0	15.37	21.29	16.62	13.04	1.18	0.71	46.32	22.90	2.29
775.0	15.31	21.30	16.25	12.79	1.18	0.71	49.78	22.79	2.38
800.0	15.26	21.32	15.85	12.52	1.19	0.71	47.71	23.00	2.40
825.0	15.21	21.34	15.49	12.23	1.19	0.71	48.55	22.93	2.32
850.0	15.17	21.37	15.17	11.92	1.19	0.71	47.54	22.98	2.41
875.0	15.13	21.31	14.88	11.64	1.18	0.70	45.16	23.10	2.41
900.0	15.09	21.34	14.57	11.36	1.19	0.70	47.33	23.05	2.42
925.0	15.04	21.33	14.28	11.11	1.18	0.70	44.43	23.20	2.41
950.0	15.00	21.35	14.00	10.88	1.19	0.70	42.69	23.41	2.44
975.0	14.94	21.34	13.73	10.63	1.19	0.69	45.64	23.13	2.42
1000.0	14.88	21.39	13.43	10.43	1.19	0.69	41.92	23.53	2.43
1025.0	14.83	21.39	13.17	10.21	1.19	0.69	42.65	23.56	2.39
1050.0	14.77	21.38	12.90	10.02	1.19	0.69	42.73	23.54	2.40
1075.0	14.71	21.37	12.61	9.83	1.19	0.69	42.98	23.51	2.47
1100.0	14.65	21.41	12.34	9.62	1.19	0.69	41.26	23.49	2.45
1125.0	14.59	21.40	12.05	9.43	1.19	0.68	41.93	23.32	2.41
1150.0	14.52	21.43	11.78	9.25	1.20	0.68	40.42	23.33	2.51
1175.0	14.45	21.43	11.51	9.05	1.20	0.68	41.47	23.27	2.51
1200.0	14.38	21.46	11.22	8.85	1.20	0.68	41.11	23.22	2.54
1300.0	14.07	21.52	10.10	8.10	1.20	0.67	39.62	22.97	2.52
1400.0	13.74	21.70	9.01	7.34	1.21	0.66	39.68	22.63	2.64
1500.0	13.36	21.87	7.97	6.58	1.22	0.65	38.92	22.18	2.59

*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: Vd = 5.50V, Id = 150.08mA @ Temperature = -45degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
200.0	15.49	20.71	14.79	15.51	1.14	0.69	36.56	21.90	1.85
250.0	15.44	20.60	17.63	16.24	1.15	0.69	36.23	21.86	1.86
300.0	15.41	20.61	20.33	16.53	1.15	0.69	37.47	22.18	1.85
350.0	15.36	20.68	23.04	16.51	1.16	0.69	36.92	22.17	1.85
400.0	15.33	20.63	25.77	16.34	1.16	0.69	37.63	22.20	1.90
450.0	15.28	20.65	27.95	16.05	1.17	0.69	37.51	22.23	1.87
500.0	15.21	20.62	27.95	15.68	1.17	0.69	37.92	22.57	1.90
525.0	15.18	20.64	27.89	15.50	1.17	0.69	37.71	22.44	1.92
550.0	15.18	20.61	27.28	15.48	1.17	0.69	37.55	22.26	1.92
575.0	15.15	20.59	26.57	15.31	1.17	0.69	38.70	22.51	1.91
600.0	15.13	20.61	25.62	15.18	1.17	0.69	38.11	22.35	1.94
625.0	15.10	20.61	24.85	15.01	1.17	0.69	38.44	22.43	1.99
650.0	15.08	20.64	24.12	14.85	1.18	0.69	39.66	22.61	1.97
675.0	15.05	20.62	23.34	14.65	1.18	0.69	39.79	22.58	1.95
700.0	15.02	20.65	22.55	14.51	1.18	0.69	39.80	22.61	2.00
725.0	14.97	20.69	21.94	14.34	1.19	0.70	39.92	22.73	1.98
750.0	14.93	20.67	21.20	14.19	1.19	0.70	41.47	22.88	1.95
775.0	14.88	20.69	20.58	14.07	1.19	0.70	40.93	22.79	2.01
800.0	14.83	20.68	19.87	13.94	1.19	0.70	41.91	22.96	1.98
825.0	14.79	20.72	19.32	13.71	1.20	0.70	41.36	22.91	1.95
850.0	14.76	20.70	18.85	13.47	1.20	0.70	41.97	22.96	2.02
875.0	14.75	20.70	18.38	13.19	1.20	0.70	42.96	23.05	2.04
900.0	14.72	20.68	18.01	12.89	1.19	0.70	42.41	23.02	2.04
925.0	14.69	20.68	17.61	12.63	1.19	0.69	44.10	23.16	1.99
950.0	14.66	20.70	17.23	12.38	1.19	0.69	48.77	23.31	2.01
975.0	14.62	20.67	16.82	12.11	1.19	0.69	43.03	23.13	2.01
1000.0	14.57	20.71	16.39	11.90	1.20	0.69	47.04	23.39	1.98
1025.0	14.54	20.71	15.98	11.66	1.20	0.69	47.29	23.49	1.99
1050.0	14.49	20.71	15.61	11.42	1.20	0.69	45.52	23.45	2.01
1075.0	14.44	20.77	15.21	11.22	1.20	0.69	50.46	23.40	2.02
1100.0	14.39	20.75	14.84	10.96	1.20	0.68	48.37	23.35	1.99
1125.0	14.34	20.76	14.43	10.71	1.20	0.68	49.22	23.21	1.99
1150.0	14.28	20.77	14.08	10.49	1.20	0.68	43.99	23.13	2.00
1175.0	14.22	20.82	13.72	10.25	1.21	0.68	46.59	23.13	2.07
1200.0	14.17	20.86	13.38	9.99	1.21	0.68	45.46	23.07	2.03
1300.0	13.89	20.95	12.01	9.00	1.22	0.67	42.65	22.74	2.15
1400.0	13.56	21.09	10.64	7.97	1.22	0.65	41.62	22.39	2.21
1500.0	13.17	21.33	9.29	6.92	1.23	0.63	40.59	21.93	2.16

Wideband Amplifier

ZX60-H122+

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: Vd = 5.50V, Id = 148.59mA @ Temperature = 85degC

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
					K	Measure			
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
200.0	16.45	21.64	12.86	19.12	1.14	0.72	41.21	21.66	2.52
250.0	16.43	21.58	14.54	23.25	1.14	0.73	41.31	21.60	2.51
300.0	16.40	21.55	15.64	24.87	1.15	0.73	43.01	22.00	2.48
350.0	16.34	21.51	16.25	22.73	1.15	0.73	42.57	21.97	2.51
400.0	16.28	21.55	16.50	20.26	1.15	0.73	43.44	22.01	2.59
450.0	16.20	21.55	16.52	18.17	1.15	0.72	43.44	22.01	2.56
500.0	16.10	21.59	16.31	16.59	1.16	0.73	45.22	22.33	2.51
525.0	16.06	21.56	16.29	16.01	1.16	0.72	44.80	22.12	2.60
550.0	16.03	21.53	16.17	15.48	1.15	0.72	44.38	21.98	2.54
575.0	15.99	21.52	16.09	14.90	1.15	0.71	48.93	22.36	2.60
600.0	15.94	21.58	15.91	14.38	1.16	0.71	46.68	22.17	2.57
625.0	15.89	21.58	15.74	13.93	1.16	0.71	47.28	22.26	2.65
650.0	15.84	21.61	15.55	13.50	1.16	0.71	48.50	22.50	2.65
675.0	15.79	21.64	15.35	13.11	1.17	0.71	51.34	22.47	2.61
700.0	15.73	21.60	15.08	12.76	1.16	0.71	51.71	22.51	2.68
725.0	15.66	21.65	14.82	12.45	1.17	0.71	46.95	22.63	2.66
750.0	15.59	21.69	14.53	12.14	1.18	0.71	44.47	22.82	2.66
775.0	15.53	21.65	14.25	11.85	1.17	0.71	45.19	22.70	2.71
800.0	15.47	21.70	13.93	11.56	1.18	0.71	43.88	22.91	2.68
825.0	15.42	21.71	13.67	11.27	1.18	0.71	44.28	22.83	2.63
850.0	15.36	21.67	13.40	10.98	1.17	0.70	44.85	22.90	2.71
875.0	15.31	21.68	13.14	10.72	1.18	0.70	42.71	23.02	2.72
900.0	15.26	21.67	12.89	10.45	1.17	0.70	43.18	22.95	2.72
925.0	15.20	21.71	12.66	10.23	1.18	0.70	42.47	23.09	2.69
950.0	15.15	21.71	12.43	10.01	1.18	0.70	41.10	23.28	2.71
975.0	15.08	21.72	12.21	9.78	1.18	0.69	42.90	23.01	2.71
1000.0	15.02	21.71	11.96	9.59	1.18	0.69	40.26	23.39	2.73
1025.0	14.96	21.74	11.75	9.40	1.18	0.69	41.34	23.40	2.68
1050.0	14.90	21.75	11.53	9.22	1.18	0.69	41.02	23.37	2.73
1075.0	14.83	21.75	11.31	9.05	1.18	0.69	41.23	23.33	2.72
1100.0	14.76	21.74	11.10	8.88	1.18	0.68	40.18	23.30	2.67
1125.0	14.69	21.79	10.85	8.69	1.18	0.68	40.62	23.11	2.70
1150.0	14.61	21.76	10.64	8.54	1.18	0.68	39.39	23.12	2.73
1175.0	14.54	21.78	10.41	8.36	1.19	0.68	39.72	23.04	2.82
1200.0	14.47	21.84	10.16	8.20	1.19	0.68	39.90	22.97	2.78
1300.0	14.14	21.94	9.18	7.56	1.20	0.67	38.90	22.69	2.87
1400.0	13.79	22.04	8.20	6.92	1.20	0.66	38.61	22.36	2.97
1500.0	13.42	22.13	7.29	6.30	1.20	0.65	37.96	21.92	2.92