

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 = 4.50V, Id = 281mA @ Temperature = +25°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability	
					K	Measure
400	20.17	37.00	0.50	2.30	0.20	0.76
450	19.15	37.03	0.51	2.31	0.25	0.76
500	18.22	37.28	0.53	2.31	0.29	0.76
550	17.39	37.25	0.53	2.31	0.32	0.76
600	16.64	36.94	0.54	2.32	0.34	0.76
650	15.94	37.14	0.56	2.32	0.37	0.76
700	15.29	37.05	0.58	2.33	0.41	0.76
750	14.69	36.86	0.57	2.36	0.44	0.77
800	14.13	37.09	0.59	2.36	0.48	0.77
850	13.62	37.13	0.59	2.34	0.51	0.77
900	13.12	37.25	0.59	2.38	0.56	0.77
950	12.65	36.96	0.60	2.38	0.57	0.77
1000	12.21	37.07	0.61	2.38	0.61	0.77
1050	11.78	36.84	0.62	2.38	0.61	0.78
1100	11.37	36.96	0.63	2.39	0.69	0.78
1150	11.00	36.77	0.63	2.41	0.70	0.78
1200	10.62	36.58	0.64	2.42	0.72	0.78
1250	10.28	36.66	0.64	2.42	0.76	0.78
1300	9.95	36.73	0.65	2.42	0.80	0.78
1350	9.61	36.53	0.66	2.44	0.84	0.78
1400	9.31	36.78	0.65	2.44	0.88	0.79
1450	9.01	36.37	0.66	2.45	0.88	0.79
1500	8.73	36.55	0.67	2.46	0.95	0.79
1550	8.46	36.17	0.67	2.46	0.93	0.79
1600	8.20	36.29	0.67	2.46	0.95	0.79
1650	7.95	36.63	0.68	2.47	1.04	0.79
1700	7.71	36.23	0.68	2.47	1.03	0.79
1750	7.46	36.06	0.67	2.47	1.05	0.79
1800	7.24	36.24	0.68	2.47	1.07	0.79
1850	7.02	36.19	0.68	2.48	1.11	0.79
1900	6.80	35.80	0.68	2.48	1.09	0.79
1950	6.60	35.94	0.68	2.49	1.14	0.79
2000	6.40	35.77	0.68	2.48	1.13	0.79
2050	6.21	35.77	0.68	2.48	1.15	0.79
2100	6.02	35.66	0.68	2.50	1.16	0.80
2150	5.84	35.65	0.68	2.48	1.20	0.79
2200	5.67	35.40	0.67	2.49	1.16	0.80
2250	5.49	35.32	0.67	2.50	1.20	0.80
2300	5.32	35.46	0.66	2.50	1.21	0.80
2350	5.15	35.16	0.67	2.50	1.21	0.80
2400	5.00	35.23	0.66	2.49	1.24	0.80
2450	4.84	35.31	0.66	2.51	1.27	0.80
2500	4.70	35.05	0.66	2.49	1.26	0.80
2550	4.54	35.10	0.65	2.49	1.28	0.80
2600	4.41	35.01	0.65	2.49	1.28	0.80
2650	4.25	34.84	0.65	2.49	1.28	0.80
2700	4.11	34.86	0.66	2.50	1.33	0.80
2750	3.99	34.93	0.65	2.50	1.34	0.80
2800	3.84	34.73	0.65	2.49	1.33	0.80
2850	3.71	34.52	0.65	2.49	1.34	0.79
2900	3.58	34.46	0.65	2.50	1.33	0.80
2950	3.45	34.48	0.64	2.49	1.34	0.80
3000	3.32	34.42	0.66	2.48	1.35	0.80
3050	3.19	34.48	0.64	2.50	1.38	0.80
3100	3.06	34.38	0.65	2.49	1.40	0.80
3150	2.96	34.12	0.64	2.50	1.36	0.80
3200	2.82	34.07	0.65	2.50	1.40	0.80
3250	2.69	34.13	0.66	2.51	1.44	0.80
3300	2.58	34.03	0.65	2.51	1.44	0.80
3350	2.45	33.98	0.67	2.50	1.49	0.80
3400	2.33	33.91	0.66	2.52	1.47	0.80
3450	2.22	33.80	0.66	2.51	1.48	0.80
3500	2.08	33.82	0.68	2.52	1.54	0.80
3550	1.96	33.66	0.69	2.53	1.54	0.80
3600	1.86	33.61	0.68	2.52	1.55	0.80
3650	1.72	33.82	0.71	2.53	1.65	0.80
3700	1.62	33.57	0.69	2.54	1.61	0.80
3750	1.49	33.44	0.71	2.55	1.63	0.80
3800	1.39	33.41	0.71	2.55	1.67	0.80
3850	1.27	33.57	0.72	2.55	1.71	0.81
3900	1.14	33.34	0.73	2.56	1.72	0.81
3950	1.03	33.40	0.74	2.57	1.77	0.81
4000	0.91	33.26	0.75	2.56	1.81	0.80

Note: Test data of Die packaged in industry standard 8-lead 2x2mm MCLP pack.



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 = 4.50V, Id = 227mA @ Temperature = -45°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability	
					K	Measure
400	20.43	37.02	0.49	2.41	0.21	0.79
450	19.42	36.84	0.50	2.41	0.25	0.78
500	18.49	36.91	0.52	2.41	0.26	0.79
550	17.67	36.98	0.53	2.41	0.30	0.79
600	16.92	36.95	0.53	2.42	0.32	0.79
650	16.21	36.96	0.55	2.42	0.33	0.80
700	15.57	37.01	0.57	2.43	0.40	0.79
750	14.97	36.75	0.56	2.45	0.41	0.80
800	14.41	36.66	0.58	2.46	0.45	0.79
850	13.90	36.84	0.57	2.44	0.48	0.79
900	13.39	36.69	0.58	2.47	0.49	0.80
950	12.93	36.64	0.58	2.48	0.52	0.80
1000	12.48	36.46	0.60	2.47	0.56	0.80
1050	12.06	36.63	0.61	2.48	0.60	0.80
1100	11.65	36.70	0.62	2.49	0.62	0.80
1150	11.27	36.48	0.62	2.50	0.66	0.80
1200	10.90	36.47	0.63	2.51	0.68	0.81
1250	10.55	36.51	0.63	2.51	0.70	0.81
1300	10.22	36.42	0.64	2.52	0.75	0.81
1350	9.88	36.19	0.65	2.53	0.78	0.81
1400	9.58	36.59	0.64	2.54	0.83	0.81
1450	9.28	36.25	0.65	2.55	0.84	0.81
1500	9.00	36.29	0.66	2.55	0.86	0.81
1550	8.73	36.19	0.66	2.54	0.91	0.81
1600	8.47	36.18	0.66	2.55	0.92	0.81
1650	8.21	35.83	0.67	2.56	0.93	0.81
1700	7.97	36.13	0.67	2.56	0.96	0.82
1750	7.73	35.88	0.66	2.56	0.96	0.82
1800	7.50	35.96	0.67	2.56	1.00	0.82
1850	7.28	35.82	0.67	2.57	1.02	0.82
1900	7.06	35.95	0.66	2.57	1.04	0.82
1950	6.86	35.85	0.67	2.58	1.06	0.82
2000	6.66	35.61	0.67	2.57	1.06	0.82
2050	6.47	35.59	0.66	2.56	1.09	0.82
2100	6.28	35.60	0.66	2.59	1.11	0.82
2150	6.09	35.55	0.66	2.56	1.12	0.82
2200	5.93	35.45	0.66	2.58	1.14	0.82
2250	5.75	35.26	0.66	2.59	1.15	0.82
2300	5.58	35.37	0.65	2.59	1.17	0.82
2350	5.41	35.23	0.66	2.58	1.17	0.82
2400	5.26	34.84	0.65	2.58	1.15	0.82
2450	5.10	35.10	0.65	2.59	1.19	0.82
2500	4.95	34.88	0.64	2.58	1.19	0.82
2550	4.80	35.01	0.64	2.57	1.22	0.82
2600	4.66	34.82	0.63	2.58	1.20	0.82
2650	4.52	34.74	0.63	2.57	1.21	0.82
2700	4.37	34.65	0.64	2.58	1.23	0.82
2750	4.24	34.60	0.63	2.58	1.25	0.82
2800	4.10	34.70	0.63	2.57	1.27	0.82
2850	3.97	34.46	0.64	2.57	1.26	0.82
2900	3.84	34.55	0.63	2.57	1.28	0.82
2950	3.71	34.35	0.62	2.57	1.26	0.82
3000	3.58	34.24	0.63	2.56	1.28	0.82
3050	3.45	34.24	0.62	2.58	1.28	0.82
3100	3.32	34.16	0.63	2.58	1.30	0.82
3150	3.21	34.12	0.61	2.58	1.30	0.82
3200	3.07	34.05	0.62	2.58	1.33	0.82
3250	2.95	34.00	0.64	2.59	1.36	0.82
3300	2.84	33.93	0.63	2.59	1.35	0.82
3350	2.70	33.90	0.64	2.58	1.39	0.82
3400	2.59	33.82	0.64	2.59	1.39	0.82
3450	2.48	33.74	0.63	2.58	1.39	0.82
3500	2.34	33.77	0.65	2.59	1.43	0.82
3550	2.23	33.65	0.66	2.61	1.46	0.82
3600	2.11	33.46	0.66	2.59	1.45	0.82
3650	1.98	33.58	0.67	2.61	1.52	0.82
3700	1.88	33.53	0.67	2.62	1.52	0.83
3750	1.75	33.41	0.68	2.61	1.54	0.82
3800	1.64	33.56	0.69	2.62	1.60	0.82
3850	1.53	33.30	0.68	2.63	1.58	0.83
3900	1.40	33.36	0.69	2.64	1.61	0.83
3950	1.29	33.14	0.70	2.63	1.63	0.83
4000	1.17	33.19	0.72	2.64	1.67	0.83

Note: Test data of Die packaged in industry standard 8-lead 2x2mm MCL P pack



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 = 4.50V, Id = 309mA @ Temperature = +85°C

FREQ (MHz)	Gain (dB)	Isolation (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Stability	
					K	Measure
400	19.97	37.02	0.49	2.41	0.23	0.75
450	18.95	36.84	0.50	2.41	0.26	0.75
500	18.02	37.51	0.54	2.26	0.31	0.75
550	17.19	37.20	0.55	2.27	0.35	0.74
600	16.44	37.56	0.55	2.27	0.37	0.75
650	15.74	37.14	0.57	2.27	0.39	0.75
700	15.09	37.20	0.58	2.29	0.45	0.75
750	14.49	37.33	0.58	2.31	0.48	0.76
800	13.93	37.26	0.60	2.32	0.49	0.76
850	13.42	37.28	0.60	2.30	0.53	0.76
900	12.92	37.18	0.60	2.33	0.57	0.76
950	12.45	37.03	0.61	2.34	0.58	0.77
1000	12.01	36.97	0.62	2.33	0.63	0.76
1050	11.59	37.15	0.63	2.34	0.67	0.76
1100	11.18	36.93	0.64	2.35	0.69	0.76
1150	10.81	36.82	0.64	2.37	0.72	0.77
1200	10.43	36.93	0.65	2.38	0.77	0.77
1250	10.09	36.87	0.65	2.38	0.80	0.77
1300	9.76	36.82	0.66	2.38	0.84	0.77
1350	9.42	36.90	0.67	2.40	0.88	0.78
1400	9.13	36.65	0.66	2.40	0.90	0.77
1450	8.83	36.55	0.67	2.41	0.92	0.78
1500	8.54	36.45	0.68	2.42	0.96	0.78
1550	8.27	36.40	0.68	2.42	0.98	0.78
1600	8.02	36.60	0.68	2.42	1.01	0.78
1650	7.76	36.56	0.69	2.43	1.06	0.78
1700	7.52	36.38	0.69	2.43	1.08	0.78
1750	7.28	36.43	0.69	2.44	1.11	0.78
1800	7.06	36.21	0.69	2.44	1.12	0.78
1850	6.84	36.14	0.69	2.45	1.14	0.78
1900	6.62	36.23	0.69	2.44	1.16	0.78
1950	6.42	35.76	0.70	2.46	1.14	0.79
2000	6.22	35.70	0.69	2.44	1.17	0.78
2050	6.03	35.97	0.69	2.46	1.23	0.79
2100	5.84	35.83	0.69	2.47	1.24	0.79
2150	5.65	35.72	0.69	2.45	1.24	0.79
2200	5.49	35.49	0.69	2.46	1.24	0.79
2250	5.31	35.75	0.69	2.47	1.31	0.79
2300	5.14	35.53	0.68	2.47	1.27	0.79
2350	4.97	35.39	0.69	2.47	1.31	0.79
2400	4.82	35.36	0.69	2.47	1.30	0.79
2450	4.66	35.17	0.68	2.48	1.33	0.79
2500	4.52	35.14	0.68	2.48	1.32	0.79
2550	4.36	35.00	0.68	2.47	1.34	0.79
2600	4.23	34.91	0.67	2.47	1.31	0.79
2650	4.07	34.99	0.67	2.47	1.36	0.79
2700	3.92	34.85	0.68	2.48	1.38	0.79
2750	3.80	35.01	0.67	2.48	1.39	0.79
2800	3.65	34.74	0.68	2.47	1.41	0.79
2850	3.52	34.57	0.68	2.47	1.41	0.79
2900	3.39	34.75	0.68	2.48	1.45	0.79
2950	3.26	34.35	0.67	2.47	1.40	0.79
3000	3.13	34.41	0.69	2.47	1.44	0.79
3050	3.00	34.23	0.67	2.49	1.43	0.79
3100	2.87	34.30	0.68	2.49	1.48	0.79
3150	2.76	34.37	0.67	2.48	1.47	0.79
3200	2.62	34.11	0.68	2.49	1.48	0.79
3250	2.49	34.06	0.69	2.50	1.51	0.79
3300	2.38	34.08	0.69	2.50	1.53	0.80
3350	2.25	34.12	0.71	2.49	1.58	0.79
3400	2.13	33.86	0.70	2.50	1.57	0.80
3450	2.02	33.83	0.70	2.50	1.58	0.79
3500	1.88	33.87	0.72	2.50	1.64	0.79
3550	1.76	33.62	0.73	2.52	1.65	0.80
3600	1.65	33.56	0.73	2.51	1.65	0.79
3650	1.51	33.86	0.75	2.53	1.76	0.80
3700	1.41	33.61	0.74	2.54	1.73	0.80
3750	1.28	33.55	0.76	2.53	1.78	0.80
3800	1.17	33.48	0.76	2.55	1.80	0.80
3850	1.06	33.23	0.76	2.55	1.79	0.80
3900	0.93	33.44	0.77	2.56	1.86	0.80
3950	0.81	33.39	0.78	2.57	1.90	0.80
4000	0.69	33.45	0.80	2.57	1.97	0.80

Note: Test data of Die packaged in industry standard 8-lead 2x2mm MCL P pack



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 = 4.50V, Id = 281mA @ Temperature = +25°C

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)			(dBm)	(dBm)	(dB)
400	-44.12	84.21	0.08	0.09	481.91	0.04	-	-	-
450	-40.62	72.55	0.09	0.10	110.82	0.05	-	-	-
500	-37.67	70.71	0.10	0.11	69.97	0.05	-6.66	-22.23	32.89
550	-35.20	69.75	0.11	0.11	55.55	0.05	-6.82	-19.75	30.95
600	-32.58	73.58	0.10	0.11	63.04	0.05	3.28	-17.95	30.96
650	-30.16	74.62	0.08	0.11	43.32	0.05	2.33	-14.46	21.88
700	-28.16	70.71	0.12	0.16	42.43	0.07	5.73	-12.60	21.49
750	-25.80	73.08	0.13	0.17	47.36	0.07	9.86	-10.81	20.33
800	-23.62	72.22	0.13	0.19	38.61	0.08	15.74	-8.09	15.64
850	-21.52	70.39	0.14	0.21	29.31	0.09	15.84	-5.89	12.94
900	-19.44	72.17	0.15	0.24	34.66	0.10	19.37	-4.29	12.65
950	-17.39	70.16	0.16	0.27	24.87	0.12	19.53	-3.92	11.87
1000	-15.34	60.39	0.17	0.30	7.90	0.13	23.07	-2.94	8.36
1050	-13.32	61.69	0.18	0.36	9.28	0.16	27.97	0.58	7.79
1100	-11.29	59.78	0.21	0.44	7.91	0.19	27.46	3.72	7.78
1150	-9.23	56.36	0.24	0.53	5.54	0.22	30.72	4.27	6.20
1200	-7.17	54.32	0.27	0.66	4.54	0.27	32.56	4.46	5.89
1250	-5.08	52.22	0.33	0.82	4.06	0.33	34.74	6.94	5.75
1300	-2.94	50.15	0.38	1.04	3.64	0.41	35.48	9.00	5.37
1350	-0.78	47.35	0.47	1.34	2.85	0.51	34.76	11.80	5.48
1400	1.39	44.43	0.59	1.75	2.38	0.63	35.52	14.49	5.02
1450	3.56	41.57	0.76	2.30	2.03	0.77	34.62	15.34	4.18
1500	5.73	39.20	0.99	3.04	1.83	0.93	34.40	16.43	3.63
1550	7.80	37.09	1.32	4.02	1.78	1.09	35.97	18.56	3.13
1600	9.79	34.49	1.75	5.17	1.56	1.21	37.88	22.87	2.78
1650	11.66	32.24	2.34	6.37	1.45	1.27	37.55	24.95	2.37
1700	13.39	30.25	3.18	7.52	1.38	1.25	37.42	26.06	2.06
1750	14.98	28.35	4.43	8.63	1.31	1.16	38.41	27.11	1.96
1800	16.30	26.76	6.33	10.38	1.28	1.05	37.16	28.00	1.63
1850	17.16	25.51	8.29	14.51	1.23	0.99	40.89	28.57	1.56
1900	17.26	25.10	7.47	34.61	1.21	1.02	39.45	29.36	1.29
1950	16.50	25.61	4.90	15.44	1.20	1.10	39.89	29.07	1.27
2000	15.19	26.59	3.07	9.68	1.19	1.14	40.86	27.63	1.24
2050	13.66	27.80	2.02	7.02	1.19	1.14	37.72	27.10	1.31
2100	12.15	29.07	1.43	5.51	1.19	1.10	40.02	26.63	1.24
2150	10.73	30.18	1.08	4.54	1.20	1.04	40.44	26.11	1.62
2200	9.44	31.22	0.86	3.90	1.21	0.99	38.15	25.45	1.36
2250	8.28	32.06	0.71	3.43	1.21	0.94	36.71	24.49	1.38
2300	7.21	33.02	0.62	3.08	1.25	0.89	36.71	24.16	1.56
2350	6.26	33.43	0.54	2.80	1.22	0.84	36.69	22.31	1.64
2400	5.40	34.28	0.49	2.59	1.26	0.81	34.74	20.82	2.44
2450	4.60	34.66	0.45	2.43	1.26	0.78	33.46	19.87	2.61
2500	3.89	35.17	0.42	2.27	1.29	0.74	37.15	18.72	2.34
2550	3.25	35.33	0.39	2.15	1.26	0.72	35.09	17.75	2.28
2600	2.64	35.94	0.37	2.07	1.30	0.70	33.57	16.71	2.64
2650	2.08	36.56	0.34	1.98	1.32	0.68	33.45	16.07	3.19
2700	1.58	36.45	0.34	1.91	1.33	0.66	35.94	15.70	2.99
2750	1.12	36.88	0.33	1.84	1.39	0.65	32.23	15.28	3.02
2800	0.67	36.65	0.32	1.80	1.35	0.63	36.72	15.39	3.48
2850	0.27	37.15	0.32	1.74	1.39	0.62	33.20	15.69	3.66
2900	-0.09	37.11	0.31	1.70	1.39	0.61	34.43	15.35	3.57
2950	-0.44	37.20	0.30	1.67	1.40	0.60	34.10	13.86	3.79
3000	-0.77	37.49	0.30	1.66	1.44	0.60	34.46	13.81	4.27
3050	-1.04	37.42	0.29	1.62	1.42	0.59	34.09	12.99	3.98
3100	-1.31	37.47	0.30	1.61	1.44	0.59	32.87	11.98	4.25
3150	-1.57	37.79	0.30	1.58	1.51	0.58	36.11	12.28	4.05
3200	-1.82	37.32	0.30	1.58	1.49	0.58	34.35	11.14	4.75
3250	-2.02	37.95	0.30	1.55	1.54	0.57	33.64	17.38	4.12
3300	-2.22	37.50	0.31	1.54	1.54	0.56	33.75	17.65	5.43
3350	-2.40	37.45	0.31	1.56	1.57	0.57	33.46	17.11	4.74
3400	-2.59	37.50	0.32	1.55	1.64	0.57	33.52	17.28	5.27
3450	-2.71	37.61	0.31	1.54	1.61	0.57	33.97	17.05	5.12
3500	-2.87	37.40	0.32	1.53	1.63	0.56	32.31	17.13	5.07
3550	-3.00	37.34	0.33	1.55	1.68	0.57	33.55	16.61	4.69
3600	-3.13	37.17	0.33	1.55	1.67	0.57	33.74	16.97	5.88
3650	-3.22	37.30	0.34	1.55	1.70	0.57	33.85	16.48	5.83
3700	-3.32	37.09	0.35	1.55	1.72	0.57	32.27	15.85	5.44
3750	-3.39	37.12	0.35	1.56	1.75	0.57	33.99	16.64	5.09
3800	-3.46	37.16	0.35	1.57	1.76	0.58	34.07	15.77	6.13
3850	-3.53	36.29	0.38	1.58	1.76	0.57	31.88	15.60	5.12
3900	-3.58	36.70	0.37	1.59	1.81	0.58	33.94	16.53	5.33
3950	-3.61	36.44	0.38	1.59	1.79	0.58	31.98	15.84	5.89
4000	-3.64	36.39	0.39	1.62	1.83	0.59	33.61	16.32	5.25

Note: Test data of Die packaged in industry standard 8-lead 2x2mm MCLP package



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 = 4.50V, Id = 182mA @ Temperature = -45°C

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)			(dBm)	(dBm)	(dB)
400	-43.29	84.21	0.08	0.09	75.94	0.04	-	-	-
450	-40.80	72.55	0.09	0.10	68.09	0.05	-	-	-
500	-37.54	73.45	0.09	0.11	91.30	0.05	-8.56	-22.57	30.85
550	-34.82	83.03	0.11	0.12	257.32	0.05	-3.81	-19.09	28.87
600	-32.33	65.81	0.10	0.12	26.12	0.05	-2.49	-19.09	28.89
650	-29.98	79.24	0.10	0.13	99.59	0.06	2.45	-14.10	20.53
700	-27.71	66.59	0.12	0.16	25.30	0.07	4.92	-11.95	20.23
750	-25.43	68.40	0.13	0.16	26.52	0.07	7.80	-11.10	17.95
800	-23.27	62.34	0.12	0.16	9.84	0.07	13.00	-8.46	17.50
850	-21.17	68.25	0.14	0.21	21.16	0.09	13.90	-5.80	14.09
900	-19.11	72.43	0.14	0.22	30.44	0.10	24.54	-4.79	13.51
950	-17.06	68.83	0.15	0.25	18.36	0.11	20.82	-4.25	12.80
1000	-15.09	66.93	0.18	0.31	16.44	0.13	24.37	-4.42	11.30
1050	-13.05	62.78	0.18	0.35	9.62	0.15	24.71	0.81	8.19
1100	-11.01	58.53	0.20	0.42	5.93	0.18	27.15	3.40	8.00
1150	-8.99	55.45	0.24	0.50	4.58	0.21	28.82	4.55	7.21
1200	-6.92	53.85	0.26	0.63	3.80	0.26	31.09	5.11	5.57
1250	-4.85	50.82	0.30	0.79	2.89	0.32	34.16	6.82	5.37
1300	-2.73	48.35	0.35	0.99	2.25	0.39	34.46	8.90	4.64
1350	-0.61	46.43	0.45	1.28	2.21	0.49	33.29	11.84	4.26
1400	1.52	44.35	0.56	1.69	2.06	0.62	32.91	13.39	3.45
1450	3.64	41.79	0.73	2.22	1.87	0.76	31.34	15.37	3.19
1500	5.75	39.38	0.93	2.92	1.66	0.91	31.69	16.65	2.87
1550	7.80	37.03	1.21	3.80	1.50	1.06	30.81	17.85	2.40
1600	9.76	34.44	1.61	4.80	1.35	1.18	33.24	20.91	2.00
1650	11.63	32.13	2.12	5.82	1.23	1.24	32.28	21.74	1.77
1700	13.37	30.23	2.85	6.75	1.20	1.23	33.53	23.42	1.48
1750	14.99	28.23	3.93	7.65	1.15	1.15	34.60	25.00	1.36
1800	16.43	26.48	5.51	9.04	1.11	1.05	34.47	28.28	1.31
1850	17.47	25.15	7.31	12.25	1.09	0.98	36.31	29.70	1.14
1900	17.73	24.61	6.99	22.58	1.08	1.01	36.08	30.22	0.85
1950	17.08	24.88	4.73	17.87	1.06	1.10	40.59	29.53	0.78
2000	15.78	25.92	2.93	10.53	1.06	1.16	40.85	25.83	0.80
2050	14.23	27.25	1.90	7.48	1.07	1.16	40.06	27.25	0.82
2100	12.66	28.47	1.33	5.79	1.07	1.13	38.96	26.39	0.77
2150	11.22	29.66	1.01	4.75	1.09	1.07	37.20	25.50	1.00
2200	9.90	30.77	0.81	4.06	1.11	1.01	36.50	24.70	0.94
2250	8.69	31.57	0.67	3.57	1.11	0.96	38.51	23.42	0.98
2300	7.62	32.50	0.59	3.21	1.14	0.91	36.08	21.84	1.04
2350	6.67	33.04	0.52	2.93	1.15	0.87	36.20	22.09	1.26
2400	5.77	33.70	0.48	2.71	1.17	0.83	33.64	21.59	1.50
2450	5.00	34.26	0.43	2.52	1.16	0.80	33.93	19.60	1.91
2500	4.27	35.02	0.40	2.37	1.23	0.77	36.67	18.61	1.75
2550	3.60	35.24	0.40	2.23	1.25	0.74	34.92	17.50	1.69
2600	3.01	35.80	0.37	2.13	1.27	0.72	33.69	16.50	2.10
2650	2.44	35.96	0.35	2.05	1.27	0.70	35.49	16.27	2.37
2700	1.94	36.18	0.35	1.98	1.31	0.68	32.23	15.76	2.42
2750	1.48	36.55	0.34	1.91	1.33	0.66	34.08	16.65	2.71
2800	1.03	36.86	0.33	1.86	1.33	0.65	33.31	16.47	2.56
2850	0.63	36.84	0.32	1.81	1.34	0.64	33.98	16.39	3.15
2900	0.27	36.95	0.32	1.76	1.34	0.63	34.15	15.53	3.04
2950	-0.08	37.37	0.31	1.73	1.40	0.62	34.58	13.76	3.22
3000	-0.39	37.08	0.32	1.69	1.38	0.61	35.15	13.96	3.59
3050	-0.68	37.41	0.31	1.66	1.42	0.60	33.36	13.82	2.88
3100	-0.95	37.56	0.30	1.64	1.43	0.60	35.15	13.54	3.08
3150	-1.20	37.70	0.30	1.63	1.44	0.59	34.75	12.47	2.85
3200	-1.44	37.67	0.30	1.62	1.49	0.59	32.28	11.53	2.80
3250	-1.65	37.27	0.30	1.60	1.46	0.58	32.73	18.09	3.60
3300	-1.85	37.90	0.31	1.59	1.53	0.58	32.85	17.95	2.97
3350	-2.03	37.38	0.31	1.57	1.47	0.58	34.33	17.44	4.13
3400	-2.19	37.24	0.31	1.57	1.50	0.58	32.96	17.28	4.02
3450	-2.35	37.38	0.32	1.56	1.54	0.57	33.11	16.04	4.12
3500	-2.48	37.28	0.32	1.56	1.51	0.57	33.86	16.45	3.37
3550	-2.62	37.31	0.32	1.57	1.58	0.58	33.70	16.61	3.73
3600	-2.73	37.18	0.33	1.58	1.56	0.58	34.29	16.06	3.86
3650	-2.86	36.79	0.34	1.57	1.58	0.58	33.39	16.33	4.56
3700	-2.94	37.36	0.34	1.57	1.66	0.57	33.44	16.25	3.71
3750	-3.03	36.84	0.37	1.58	1.69	0.57	32.92	16.01	4.24
3800	-3.10	36.67	0.35	1.59	1.65	0.58	34.16	15.69	4.76
3850	-3.16	36.79	0.37	1.59	1.69	0.58	32.19	15.57	4.85
3900	-3.22	36.50	0.37	1.61	1.64	0.59	32.55	16.15	4.21
3950	-3.28	36.43	0.37	1.61	1.69	0.58	34.61	16.51	4.94
4000	-3.33	36.08	0.39	1.64	1.71	0.59	32.21	16.03	3.87

Note: Test data of Die packaged in industry standard 8-lead 2x2mm MCLP package



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 = 4.50V, Id = 364mA @ Temperature = +85°C

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)			(dBm)	(dBm)	(dB)
400	-43.41	84.21	0.08	0.09	172.22	0.06	-	-	-
450	-40.86	72.55	0.09	0.10	170.18	0.07	-	-	-
500	-37.66	75.86	0.12	0.16	240.94	0.07	-10.29	-22.91	32.56
550	-35.17	78.84	0.14	0.18	312.75	0.08	-2.66	-19.51	29.87
600	-32.65	69.97	0.14	0.18	87.75	0.08	4.71	-19.51	30.40
650	-30.35	77.65	0.14	0.19	170.88	0.08	-1.21	-14.52	22.22
700	-28.08	69.00	0.16	0.22	61.50	0.10	9.11	-12.36	21.72
750	-25.82	64.94	0.17	0.23	33.69	0.10	8.60	-11.51	18.58
800	-23.70	67.16	0.16	0.23	33.79	0.10	10.38	-8.85	18.45
850	-21.56	68.03	0.18	0.28	37.59	0.12	14.16	-6.17	14.97
900	-19.51	66.06	0.19	0.30	26.44	0.13	19.60	-5.16	14.66
950	-17.44	76.95	0.20	0.32	84.24	0.14	22.42	-4.61	13.57
1000	-15.43	65.40	0.22	0.39	22.88	0.17	25.07	-4.77	13.27
1050	-13.38	64.45	0.23	0.44	19.57	0.19	30.13	0.48	11.71
1100	-11.36	61.93	0.25	0.52	13.99	0.22	29.47	3.11	8.46
1150	-9.30	56.76	0.29	0.60	8.00	0.25	29.68	4.27	8.36
1200	-7.22	53.77	0.32	0.73	5.69	0.30	31.81	4.84	8.14
1250	-5.12	51.66	0.36	0.90	4.74	0.36	37.31	6.58	7.83
1300	-2.98	49.69	0.42	1.11	3.95	0.43	38.70	8.71	6.99
1350	-0.83	47.08	0.52	1.42	3.36	0.53	35.58	11.72	6.36
1400	1.33	44.50	0.65	1.84	2.85	0.65	37.23	13.34	5.47
1450	3.50	41.70	0.83	2.41	2.43	0.79	36.02	15.45	4.97
1500	5.65	39.50	1.06	3.16	2.19	0.94	36.29	16.79	4.40
1550	7.73	36.99	1.38	4.13	1.91	1.10	36.74	18.14	3.81
1600	9.72	34.65	1.84	5.28	1.75	1.21	37.00	21.54	3.34
1650	11.59	32.40	2.47	6.48	1.59	1.26	37.84	24.59	2.86
1700	13.31	30.56	3.39	7.62	1.54	1.23	37.41	26.22	2.51
1750	14.85	28.61	4.79	8.78	1.45	1.14	39.30	26.91	2.48
1800	16.12	26.96	6.89	10.65	1.38	1.03	43.08	27.85	2.08
1850	16.90	25.82	8.95	15.13	1.33	0.98	39.87	29.15	1.70
1900	16.90	25.56	7.72	34.68	1.31	1.03	39.82	29.43	1.63
1950	16.08	26.15	4.96	14.97	1.31	1.12	40.87	28.75	1.59
2000	14.75	27.03	3.13	9.64	1.29	1.16	37.92	27.16	1.61
2050	13.25	28.22	2.10	7.05	1.29	1.15	39.77	26.99	1.67
2100	11.75	29.51	1.50	5.56	1.30	1.11	40.26	26.35	1.70
2150	10.36	30.40	1.15	4.62	1.29	1.05	37.43	25.82	2.00
2200	9.09	31.54	0.94	3.98	1.33	1.00	39.64	24.54	2.00
2250	7.91	32.47	0.79	3.52	1.36	0.95	36.80	23.07	2.14
2300	6.88	33.04	0.69	3.17	1.37	0.90	37.26	21.50	2.25
2350	5.94	33.71	0.61	2.91	1.38	0.86	36.44	21.81	2.52
2400	5.07	34.43	0.57	2.69	1.43	0.83	35.33	21.30	2.90
2450	4.31	34.90	0.52	2.52	1.44	0.79	34.10	19.22	3.19
2500	3.60	35.52	0.49	2.37	1.48	0.77	37.56	18.15	2.84
2550	2.93	36.19	0.47	2.26	1.55	0.74	35.99	17.02	3.77
2600	2.36	36.30	0.45	2.16	1.54	0.72	34.33	15.98	3.75
2650	1.80	36.70	0.43	2.07	1.58	0.70	35.64	15.77	4.23
2700	1.30	36.69	0.42	1.99	1.57	0.68	32.51	15.25	4.27
2750	0.84	36.84	0.41	1.94	1.61	0.67	35.27	16.18	4.51
2800	0.40	37.21	0.40	1.88	1.65	0.65	33.92	16.00	4.52
2850	0.01	37.31	0.39	1.84	1.65	0.65	36.57	15.92	4.91
2900	-0.35	37.30	0.39	1.80	1.70	0.63	34.49	15.03	4.94
2950	-0.69	37.37	0.38	1.77	1.71	0.63	35.31	13.22	5.08
3000	-1.00	37.60	0.38	1.74	1.75	0.62	35.53	13.42	5.54
3050	-1.29	37.57	0.38	1.71	1.75	0.61	34.16	13.27	5.11
3100	-1.55	37.59	0.36	1.69	1.76	0.61	36.54	12.99	5.44
3150	-1.81	37.94	0.37	1.69	1.83	0.61	35.26	11.91	5.24
3200	-2.03	37.66	0.38	1.67	1.84	0.60	32.58	10.95	5.15
3250	-2.24	37.80	0.37	1.66	1.86	0.60	35.11	17.75	5.74
3300	-2.44	37.56	0.37	1.64	1.86	0.59	33.84	17.60	5.53
3350	-2.61	37.77	0.38	1.64	1.91	0.59	36.66	17.07	6.27
3400	-2.78	37.53	0.38	1.64	1.93	0.59	33.59	16.90	6.41
3450	-2.93	37.65	0.40	1.63	1.98	0.59	33.08	15.62	6.39
3500	-3.07	37.27	0.39	1.63	1.96	0.59	35.25	16.04	5.77
3550	-3.19	37.60	0.40	1.65	2.04	0.59	33.92	16.21	6.09
3600	-3.30	37.40	0.40	1.66	2.05	0.60	34.70	15.65	6.11
3650	-3.42	37.25	0.42	1.66	2.07	0.60	33.70	15.93	6.76
3700	-3.49	37.02	0.42	1.66	2.08	0.59	35.55	15.86	6.40
3750	-3.58	36.58	0.44	1.68	2.08	0.60	32.27	15.61	6.61
3800	-3.64	36.87	0.43	1.68	2.11	0.60	35.39	15.28	7.31
3850	-3.69	36.65	0.45	1.69	2.13	0.60	33.86	15.17	7.18
3900	-3.74	36.45	0.45	1.70	2.13	0.61	32.55	15.77	6.63
3950	-3.78	36.54	0.46	1.72	2.19	0.61	36.71	16.14	7.31
4000	-3.83	36.09	0.48	1.75	2.21	0.62	33.61	15.66	6.75

Note: Test data of Die packaged in industry standard 8-lead 2x2mm MCLP package

