

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 = 5.00V, Id = 57mA @ 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)	K	Measure	(dBm)	(dBm)	(dB)
200	16.55	32.15	2.44	5.75	1.30	1.04	26.00	13.07	3.70
400	21.10	27.25	9.51	21.83	1.14	0.87	28.76	15.84	2.03
600	21.83	26.38	17.20	18.28	1.10	0.67	29.60	18.21	1.72
800	21.98	26.16	24.75	14.88	1.09	0.59	30.64	19.71	1.40
1000	22.01	26.09	27.10	13.84	1.09	0.56	30.09	20.42	1.37
1200	21.99	26.06	24.12	13.54	1.09	0.55	32.06	20.45	1.30
1400	21.96	26.08	21.59	13.59	1.09	0.56	31.62	20.42	1.30
1600	21.90	26.13	19.63	13.92	1.09	0.58	31.65	20.36	1.18
1800	21.83	26.16	18.39	14.47	1.09	0.60	30.40	20.32	1.27
2000	21.78	26.17	17.23	15.12	1.10	0.62	30.19	20.37	1.27
2200	21.73	26.21	16.13	15.88	1.10	0.64	30.64	19.97	1.34
2400	21.65	26.27	15.32	16.66	1.10	0.66	30.85	20.02	1.27
2600	21.55	26.34	14.59	17.82	1.11	0.69	30.59	20.00	1.30
2800	21.45	26.43	14.03	19.11	1.12	0.72	30.45	19.58	1.35
3000	21.36	26.49	13.40	20.66	1.12	0.74	29.91	19.54	1.42
3200	21.31	26.52	12.78	21.84	1.12	0.76	29.92	19.08	1.41
3400	21.25	26.54	12.25	22.39	1.12	0.77	28.34	18.51	1.45
3600	21.18	26.60	11.85	22.24	1.12	0.79	28.28	18.71	1.38
3800	21.10	26.66	11.45	21.68	1.12	0.81	29.87	19.06	1.45
4000	21.01	26.73	11.15	20.70	1.12	0.83	29.04	18.64	1.39
4200	20.92	26.80	10.89	19.62	1.12	0.84	28.01	18.49	1.48
4400	20.82	26.86	10.69	18.49	1.12	0.85	28.49	18.41	1.48
4600	20.74	26.96	10.46	17.42	1.13	0.86	27.65	18.22	1.52
4800	20.64	27.00	10.31	16.47	1.13	0.87	28.35	18.41	1.44
5000	20.56	27.07	10.16	15.68	1.13	0.88	28.45	18.79	1.59
5200	20.46	27.16	10.04	14.96	1.14	0.88	26.76	19.04	1.48
5400	20.37	27.21	9.92	14.38	1.14	0.89	28.22	19.29	1.54
5600	20.29	27.27	9.81	13.76	1.14	0.89	28.56	18.72	1.57
5800	20.21	27.36	9.70	13.17	1.14	0.90	27.55	18.72	1.57
6000	20.11	27.41	9.58	12.67	1.15	0.90	28.64	18.79	1.63
6200	20.02	27.53	9.44	12.14	1.15	0.91	27.83	18.80	1.65
6400	19.90	27.60	9.25	11.63	1.15	0.92	27.59	18.12	1.84
6600	19.72	27.75	9.01	11.19	1.15	0.93	26.75	17.98	1.79
6800	19.48	27.92	8.55	11.48	1.17	0.97	26.40	17.99	1.79
7000	19.52	27.85	8.41	11.20	1.15	0.97	27.66	18.04	1.80
7200	19.39	27.92	8.14	10.74	1.14	0.97	27.62	17.83	1.94
7400	19.23	28.00	7.79	10.34	1.13	0.99	26.58	17.61	1.96
7600	19.03	28.13	7.39	10.01	1.13	1.01	25.87	17.36	1.96
7800	18.80	28.26	7.00	9.70	1.12	1.03	26.44	17.51	2.02
8000	18.54	28.35	6.58	9.40	1.11	1.05	26.52	17.27	2.11
8200	18.24	28.50	6.14	9.12	1.11	1.07	26.20	16.71	2.19
8400	17.89	28.63	5.70	8.89	1.10	1.10	25.58	16.79	2.26
8600	17.50	28.81	5.31	8.65	1.11	1.13	25.84	16.93	2.36
8800	17.05	28.99	4.89	8.49	1.11	1.15	25.73	16.40	2.50
9000	16.54	29.19	4.54	8.39	1.14	1.18	24.52	15.86	2.67
10000	13.02	30.79	3.31	6.33	1.40	1.17	22.03	14.82	3.82

Note: Test data of Die packaged in industry standard 3x3MM 12-lead MCL 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 = 4.75V, Id = 53mA @ 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)	K	Measure	(dBm)	(dBm)	(dB)
200	16.17	31.90	2.39	5.70	1.31	1.03	24.86	12.24	3.56
400	20.76	26.99	9.22	21.48	1.14	0.87	27.33	15.13	1.89
600	21.51	26.08	16.66	19.59	1.10	0.67	27.92	17.65	1.62
800	21.67	25.86	24.80	15.73	1.09	0.60	29.08	19.30	1.29
1000	21.71	25.78	30.42	14.57	1.09	0.57	29.01	20.03	1.19
1200	21.70	25.75	25.86	14.24	1.09	0.56	29.87	20.06	1.21
1400	21.66	25.77	22.36	14.28	1.09	0.57	29.64	20.16	1.17
1600	21.60	25.81	19.94	14.64	1.09	0.59	29.68	19.98	1.03
1800	21.53	25.85	18.45	15.22	1.09	0.61	29.07	19.95	1.17
2000	21.49	25.87	17.13	15.92	1.10	0.63	28.43	20.11	1.19
2200	21.43	25.92	15.95	16.77	1.10	0.65	28.89	19.60	1.18
2400	21.35	25.97	15.08	17.61	1.10	0.67	29.31	19.78	1.23
2600	21.25	26.05	14.31	18.89	1.11	0.70	29.02	19.77	1.24
2800	21.15	26.14	13.73	20.30	1.12	0.73	28.66	19.22	1.27
3000	21.06	26.20	13.08	21.92	1.12	0.75	28.67	19.18	1.30
3200	21.01	26.25	12.46	22.98	1.12	0.77	28.57	18.71	1.29
3400	20.95	26.30	11.94	23.11	1.12	0.79	27.42	18.28	1.37
3600	20.88	26.35	11.54	22.47	1.11	0.80	27.43	18.21	1.27
3800	20.80	26.39	11.15	21.51	1.11	0.82	28.61	18.71	1.32
4000	20.72	26.47	10.84	20.30	1.11	0.83	27.76	18.28	1.28
4200	20.62	26.52	10.59	19.12	1.11	0.84	26.78	18.00	1.34
4400	20.54	26.64	10.39	17.96	1.12	0.86	27.29	17.80	1.33
4600	20.45	26.71	10.16	16.89	1.12	0.87	26.58	17.60	1.42
4800	20.36	26.76	10.02	15.95	1.12	0.87	26.84	17.94	1.40
5000	20.28	26.85	9.88	15.19	1.13	0.88	27.15	18.34	1.47
5200	20.19	26.91	9.77	14.50	1.13	0.89	25.76	18.60	1.39
5400	20.10	26.99	9.65	13.94	1.13	0.89	26.85	18.87	1.49
5600	20.03	27.04	9.54	13.36	1.13	0.90	27.46	18.30	1.45
5800	19.95	27.14	9.44	12.80	1.14	0.90	26.12	18.32	1.43
6000	19.86	27.20	9.33	12.32	1.14	0.91	27.33	18.40	1.55
6200	19.77	27.32	9.20	11.82	1.14	0.91	27.06	18.53	1.61
6400	19.65	27.40	9.02	11.33	1.14	0.92	26.26	17.74	1.71
6600	19.48	27.58	8.78	10.92	1.15	0.94	25.67	17.60	1.71
6800	19.25	27.73	8.34	11.23	1.16	0.97	25.23	17.74	1.76
7000	19.30	27.64	8.22	10.96	1.14	0.97	26.16	17.69	1.71
7200	19.17	27.72	7.96	10.51	1.13	0.98	26.80	17.60	1.85
7400	19.01	27.83	7.62	10.13	1.13	0.99	25.95	17.39	1.83
7600	18.81	27.96	7.23	9.82	1.12	1.01	24.83	17.02	1.90
7800	18.59	28.04	6.86	9.52	1.11	1.03	25.48	17.31	1.94
8000	18.34	28.20	6.45	9.24	1.10	1.05	25.51	16.95	2.07
8200	18.04	28.31	6.02	8.97	1.09	1.08	25.45	16.52	2.11
8400	17.69	28.51	5.60	8.76	1.10	1.10	24.79	16.49	2.17
8600	17.31	28.66	5.22	8.53	1.10	1.13	24.90	16.63	2.30
8800	16.86	28.85	4.80	8.37	1.10	1.15	25.14	16.10	2.39
9000	16.35	29.09	4.47	8.28	1.13	1.18	23.92	15.44	2.59
10000	12.83	30.70	3.27	6.25	1.39	1.17	21.44	14.11	3.77

Note: Test data of Die packaged in industry standard 3x3MM 12-lead MCL 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 = 5.25V, Id = 61mA @ 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)	K	Measure	(dBm)	(dBm)	(dB)
200	16.86	32.40	2.46	5.77	1.30	1.04	26.99	13.70	3.74
400	21.41	27.49	9.64	21.80	1.13	0.86	30.32	16.46	2.01
600	22.11	26.65	17.42	17.62	1.10	0.66	30.94	18.93	1.71
800	22.26	26.44	24.61	14.45	1.09	0.58	32.12	20.14	1.40
1000	22.29	26.37	25.99	13.45	1.09	0.55	31.15	20.71	1.34
1200	22.27	26.34	23.36	13.17	1.08	0.55	32.66	20.74	1.29
1400	22.23	26.36	21.18	13.23	1.09	0.56	33.78	20.83	1.32
1600	22.17	26.37	19.42	13.55	1.09	0.57	33.15	20.65	1.21
1800	22.10	26.41	18.27	14.08	1.09	0.59	31.38	20.60	1.29
2000	22.05	26.46	17.19	14.71	1.10	0.61	31.95	20.65	1.24
2200	22.00	26.48	16.14	15.46	1.10	0.63	32.36	20.25	1.37
2400	21.91	26.54	15.35	16.21	1.10	0.66	31.01	20.30	1.34
2600	21.81	26.60	14.65	17.30	1.11	0.69	31.56	20.28	1.32
2800	21.70	26.67	14.12	18.57	1.12	0.71	32.40	19.98	1.36
3000	21.62	26.73	13.48	20.04	1.12	0.74	31.15	19.83	1.43
3200	21.57	26.73	12.88	21.28	1.12	0.75	32.00	19.48	1.38
3400	21.50	26.77	12.35	21.97	1.12	0.77	29.73	18.92	1.55
3600	21.42	26.81	11.94	22.05	1.12	0.79	30.31	19.12	1.43
3800	21.34	26.88	11.55	21.70	1.12	0.81	31.42	19.46	1.44
4000	21.25	26.95	11.24	20.88	1.12	0.82	30.68	19.04	1.39
4200	21.15	27.00	10.98	19.89	1.12	0.84	30.06	18.90	1.47
4400	21.05	27.07	10.79	18.79	1.13	0.85	29.70	18.82	1.47
4600	20.96	27.15	10.55	17.73	1.13	0.86	29.13	18.62	1.48
4800	20.86	27.20	10.40	16.76	1.13	0.87	29.65	18.80	1.43
5000	20.77	27.29	10.26	15.94	1.14	0.88	29.65	19.04	1.55
5200	20.67	27.34	10.14	15.21	1.14	0.88	28.21	19.28	1.44
5400	20.57	27.42	10.01	14.60	1.14	0.89	29.53	19.53	1.57
5600	20.49	27.49	9.90	13.98	1.15	0.89	30.11	18.96	1.55
5800	20.40	27.57	9.79	13.37	1.15	0.90	28.67	18.84	1.57
6000	20.30	27.62	9.68	12.84	1.15	0.91	29.21	19.01	1.61
6200	20.20	27.69	9.53	12.31	1.15	0.91	29.15	19.02	1.68
6400	20.07	27.81	9.34	11.77	1.15	0.92	28.43	18.34	1.84
6600	19.89	27.96	9.09	11.31	1.16	0.93	28.06	18.19	1.78
6800	19.64	28.10	8.62	11.59	1.18	0.97	27.11	18.19	1.83
7000	19.68	28.01	8.47	11.32	1.15	0.97	28.38	18.12	1.75
7200	19.54	28.07	8.20	10.84	1.15	0.98	28.26	18.03	1.92
7400	19.37	28.17	7.84	10.43	1.14	0.99	28.10	17.80	1.91
7600	19.16	28.29	7.44	10.09	1.14	1.01	26.59	17.54	1.96
7800	18.93	28.37	7.05	9.77	1.13	1.03	27.18	17.69	2.05
8000	18.66	28.49	6.63	9.46	1.12	1.05	27.11	17.45	2.12
8200	18.36	28.63	6.18	9.18	1.11	1.08	26.95	17.00	2.17
8400	18.00	28.75	5.74	8.95	1.11	1.10	26.46	16.96	2.22
8600	17.61	28.92	5.35	8.71	1.11	1.13	26.57	17.09	2.35
8800	17.16	29.08	4.92	8.54	1.11	1.16	26.55	16.57	2.51
9000	16.64	29.28	4.57	8.44	1.14	1.18	25.26	16.04	2.61
10000	13.12	30.82	3.33	6.38	1.40	1.18	22.82	14.98	3.83

Note: Test data of Die packaged in industry standard 3x3MM 12-lead MCL 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 = 6.00V, Id = 74mA @ 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)	K	Measure	(dBm)	(dBm)	(dB)
200	17.56	32.85	2.54	5.84	1.28	1.04	29.39	15.74	3.73
400	22.06	28.04	10.15	21.30	1.13	0.85	33.36	18.61	2.05
600	22.72	27.26	18.19	15.99	1.10	0.65	34.15	20.63	1.71
800	22.85	27.06	23.26	13.36	1.09	0.57	36.70	21.50	1.39
1000	22.86	26.99	22.76	12.51	1.08	0.54	36.80	21.78	1.36
1200	22.84	26.97	21.13	12.27	1.08	0.54	39.74	21.91	1.34
1400	22.79	26.98	19.78	12.33	1.08	0.54	39.96	21.88	1.28
1600	22.72	27.01	18.68	12.59	1.09	0.56	40.63	21.70	1.20
1800	22.66	27.03	17.82	13.05	1.09	0.58	36.48	21.63	1.28
2000	22.60	27.04	17.01	13.57	1.09	0.60	38.48	21.68	1.21
2200	22.54	27.06	16.23	14.24	1.10	0.62	37.24	21.29	1.34
2400	22.46	27.11	15.56	14.94	1.10	0.64	45.85	21.33	1.36
2600	22.36	27.15	14.98	15.96	1.11	0.67	35.84	21.31	1.32
2800	22.25	27.24	14.51	17.16	1.12	0.70	40.59	21.01	1.37
3000	22.16	27.25	13.95	18.54	1.12	0.72	38.01	20.88	1.36
3200	22.10	27.26	13.33	19.84	1.12	0.74	39.17	20.52	1.41
3400	22.03	27.30	12.83	20.69	1.12	0.76	34.02	20.23	1.49
3600	21.95	27.34	12.41	21.29	1.12	0.78	37.29	20.55	1.40
3800	21.86	27.38	12.03	21.49	1.12	0.80	36.60	20.49	1.42
4000	21.76	27.44	11.73	21.25	1.13	0.81	35.73	20.20	1.40
4200	21.66	27.50	11.46	20.53	1.13	0.83	35.80	20.19	1.45
4400	21.55	27.56	11.29	19.62	1.14	0.84	37.92	20.09	1.44
4600	21.45	27.58	11.04	18.61	1.14	0.85	35.20	19.88	1.48
4800	21.34	27.64	10.87	17.69	1.14	0.86	34.99	20.03	1.48
5000	21.24	27.72	10.72	16.85	1.15	0.87	35.67	19.99	1.58
5200	21.13	27.78	10.56	16.06	1.15	0.88	32.79	20.23	1.46
5400	21.02	27.83	10.42	15.36	1.16	0.88	36.91	20.33	1.57
5600	20.93	27.92	10.27	14.67	1.16	0.89	34.97	19.75	1.54
5800	20.83	27.97	10.14	14.03	1.17	0.90	32.60	19.61	1.58
6000	20.72	28.01	10.02	13.48	1.17	0.90	36.82	19.76	1.70
6200	20.60	28.07	9.86	12.90	1.17	0.91	34.67	19.75	1.67
6400	20.47	28.17	9.64	12.35	1.17	0.92	33.00	19.07	1.80
6600	20.26	28.33	9.37	11.91	1.19	0.94	31.66	18.90	1.80
6800	20.07	28.39	8.90	12.30	1.19	0.97	31.48	18.77	1.80
7000	20.06	28.35	8.74	11.85	1.17	0.97	32.35	18.79	1.79
7200	19.91	28.43	8.44	11.33	1.17	0.98	32.04	18.58	1.93
7400	19.72	28.49	8.07	10.92	1.16	0.99	31.18	18.33	1.91
7600	19.50	28.58	7.63	10.56	1.16	1.01	29.53	17.94	1.93
7800	19.26	28.69	7.21	10.20	1.15	1.03	30.02	18.07	2.00
8000	18.98	28.78	6.78	9.90	1.14	1.06	29.97	17.83	2.13
8200	18.67	28.88	6.31	9.59	1.13	1.08	29.49	17.36	2.19
8400	18.31	29.00	5.86	9.34	1.13	1.11	28.79	17.30	2.22
8600	17.91	29.13	5.45	9.09	1.13	1.13	28.79	17.43	2.43
8800	17.46	29.28	5.03	8.88	1.13	1.16	28.50	17.05	2.53
9000	16.93	29.48	4.66	8.81	1.16	1.19	26.97	16.37	2.65
10000	13.47	30.87	3.39	6.67	1.39	1.19	24.26	15.15	3.91

Note: Test data of Die packaged in industry standard 3x3MM 12-lead MCL 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 = 5.75V, Id = 70mA @ 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)	K	Measure	(dBm)	(dBm)	(dB)
200	17.35	32.73	2.52	5.79	1.29	1.04	28.77	14.96	3.75
400	21.87	27.87	9.99	21.54	1.13	0.85	31.22	18.08	1.99
600	22.54	27.08	17.97	16.46	1.10	0.65	32.01	20.25	1.71
800	22.68	26.87	23.76	13.66	1.09	0.57	35.96	21.15	1.37
1000	22.70	26.81	23.62	12.77	1.08	0.54	34.44	21.56	1.36
1200	22.68	26.78	21.75	12.52	1.08	0.54	35.88	21.57	1.26
1400	22.63	26.78	20.23	12.57	1.08	0.55	37.28	21.66	1.29
1600	22.57	26.82	18.92	12.88	1.09	0.56	35.83	21.48	1.21
1800	22.50	26.83	18.04	13.38	1.09	0.58	33.88	21.42	1.27
2000	22.45	26.83	17.14	13.96	1.09	0.60	34.45	21.47	1.20
2200	22.39	26.88	16.23	14.65	1.10	0.62	35.21	20.96	1.22
2400	22.31	26.94	15.52	15.35	1.10	0.65	35.26	21.13	1.25
2600	22.21	26.99	14.88	16.37	1.11	0.68	34.20	21.10	1.29
2800	22.10	27.03	14.39	17.55	1.12	0.70	33.31	20.69	1.33
3000	22.01	27.10	13.80	18.92	1.12	0.73	32.99	20.67	1.39
3200	21.95	27.15	13.20	20.18	1.12	0.75	34.08	20.31	1.37
3400	21.88	27.16	12.68	21.03	1.12	0.76	31.94	19.90	1.45
3600	21.80	27.20	12.27	21.50	1.12	0.78	31.57	20.23	1.41
3800	21.71	27.22	11.86	21.59	1.12	0.80	33.07	20.18	1.44
4000	21.62	27.29	11.56	21.18	1.12	0.82	32.75	19.88	1.37
4200	21.52	27.31	11.30	20.39	1.12	0.83	30.83	19.87	1.42
4400	21.41	27.42	11.09	19.42	1.13	0.84	31.54	19.78	1.46
4600	21.32	27.47	10.85	18.37	1.13	0.85	31.40	19.45	1.54
4800	21.21	27.54	10.71	17.39	1.14	0.86	30.95	19.61	1.51
5000	21.11	27.58	10.55	16.54	1.14	0.87	31.10	19.70	1.56
5200	21.01	27.65	10.43	15.78	1.15	0.88	29.79	19.94	1.47
5400	20.91	27.71	10.30	15.14	1.15	0.89	31.11	20.05	1.53
5600	20.81	27.79	10.18	14.47	1.16	0.89	31.36	19.48	1.55
5800	20.72	27.87	10.06	13.82	1.16	0.90	29.96	19.46	1.55
6000	20.60	27.88	9.94	13.26	1.16	0.90	31.09	19.51	1.62
6200	20.50	27.97	9.78	12.68	1.16	0.91	30.64	19.51	1.69
6400	20.36	28.07	9.58	12.11	1.16	0.92	29.34	18.82	1.83
6600	20.17	28.21	9.33	11.62	1.17	0.93	29.03	18.66	1.76
6800	19.92	28.37	8.82	11.89	1.19	0.97	28.72	18.65	1.85
7000	19.94	28.26	8.66	11.60	1.17	0.97	29.54	18.68	1.84
7200	19.80	28.32	8.38	11.09	1.16	0.97	29.88	18.47	1.93
7400	19.62	28.43	8.01	10.66	1.16	0.99	28.66	18.23	1.94
7600	19.40	28.51	7.59	10.29	1.15	1.01	27.85	17.85	1.99
7800	19.16	28.58	7.19	9.96	1.14	1.03	28.65	18.00	2.03
8000	18.89	28.69	6.75	9.63	1.13	1.05	27.93	17.75	2.17
8200	18.58	28.83	6.30	9.33	1.12	1.08	28.03	17.29	2.18
8400	18.22	28.94	5.84	9.09	1.12	1.10	27.54	17.24	2.28
8600	17.82	29.08	5.44	8.84	1.12	1.13	27.63	17.37	2.38
8800	17.37	29.24	5.00	8.67	1.12	1.16	27.69	16.98	2.52
9000	16.85	29.43	4.65	8.57	1.15	1.18	26.59	16.31	2.64
10000	13.33	30.92	3.38	6.48	1.40	1.18	23.58	15.10	3.80

Note: Test data of Die packaged in industry standard 3x3MM 12-lead MCL 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 = 6.25V, Id = 79mA @ 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)	K	Measure	(dBm)	(dBm)	(dB)
200	17.76	33.14	2.53	5.79	1.29	1.03	30.29	16.25	3.75
400	22.28	28.27	10.11	21.16	1.13	0.85	33.90	19.12	2.02
600	22.94	27.42	18.12	16.05	1.09	0.65	32.69	21.11	1.72
800	23.07	27.25	23.49	13.36	1.08	0.57	36.21	21.85	1.39
1000	23.09	27.17	23.03	12.51	1.08	0.54	34.43	22.12	1.34
1200	23.06	27.15	21.31	12.25	1.08	0.53	37.99	22.13	1.31
1400	23.01	27.14	19.92	12.32	1.08	0.54	40.42	22.21	1.30
1600	22.95	27.19	18.70	12.62	1.09	0.56	38.69	22.03	1.15
1800	22.87	27.22	17.87	13.12	1.09	0.58	41.07	21.96	1.25
2000	22.82	27.22	17.01	13.68	1.09	0.60	35.15	22.01	1.20
2200	22.75	27.21	16.14	14.35	1.09	0.62	37.24	21.61	1.37
2400	22.67	27.26	15.46	15.05	1.10	0.64	38.82	21.66	1.28
2600	22.56	27.32	14.85	16.06	1.11	0.67	36.80	21.63	1.27
2800	22.44	27.39	14.37	17.21	1.12	0.70	36.90	21.33	1.41
3000	22.35	27.44	13.78	18.56	1.12	0.72	37.21	21.31	1.34
3200	22.29	27.46	13.19	19.86	1.12	0.74	35.33	20.84	1.39
3400	22.21	27.48	12.68	20.79	1.12	0.76	34.34	20.55	1.48
3600	22.12	27.49	12.28	21.40	1.12	0.78	34.03	20.87	1.39
3800	22.02	27.56	11.88	21.66	1.12	0.80	36.73	20.91	1.42
4000	21.92	27.58	11.56	21.44	1.12	0.81	33.66	20.51	1.37
4200	21.81	27.66	11.31	20.71	1.13	0.83	32.40	20.50	1.44
4400	21.70	27.69	11.11	19.79	1.13	0.84	33.60	20.40	1.45
4600	21.59	27.78	10.87	18.73	1.14	0.86	32.47	20.18	1.51
4800	21.48	27.82	10.72	17.72	1.14	0.86	32.00	20.32	1.43
5000	21.37	27.88	10.58	16.86	1.15	0.87	32.52	20.39	1.56
5200	21.26	27.94	10.46	16.05	1.15	0.88	31.36	20.62	1.42
5400	21.15	28.00	10.32	15.39	1.16	0.89	31.99	20.59	1.52
5600	21.05	28.07	10.21	14.68	1.16	0.89	32.58	20.13	1.53
5800	20.94	28.13	10.08	14.01	1.17	0.90	31.56	19.87	1.54
6000	20.82	28.14	9.96	13.43	1.17	0.91	31.84	20.01	1.60
6200	20.70	28.24	9.81	12.83	1.17	0.91	31.96	20.00	1.67
6400	20.56	28.32	9.60	12.23	1.17	0.92	31.48	19.31	1.79
6600	20.36	28.45	9.34	11.73	1.18	0.94	30.61	19.13	1.78
6800	20.09	28.60	8.84	11.99	1.20	0.97	29.54	18.99	1.76
7000	20.11	28.48	8.67	11.70	1.17	0.97	30.84	18.89	1.85
7200	19.96	28.53	8.39	11.17	1.17	0.98	31.19	18.78	1.91
7400	19.77	28.60	8.02	10.72	1.16	0.99	29.88	18.53	1.91
7600	19.54	28.69	7.59	10.34	1.15	1.01	29.04	18.13	1.94
7800	19.29	28.74	7.20	10.00	1.14	1.03	29.77	18.26	2.06
8000	19.02	28.84	6.76	9.67	1.13	1.05	29.36	18.01	2.12
8200	18.69	28.95	6.31	9.37	1.12	1.08	29.23	17.54	2.18
8400	18.33	29.07	5.85	9.13	1.12	1.11	28.40	17.48	2.29
8600	17.92	29.17	5.45	8.87	1.12	1.13	28.41	17.59	2.37
8800	17.46	29.33	5.02	8.71	1.12	1.16	28.65	17.09	2.48
9000	16.94	29.52	4.66	8.62	1.15	1.19	27.48	16.53	2.59
10000	13.41	30.95	3.40	6.55	1.40	1.19	24.88	15.30	3.82

Note: Test data of Die packaged in industry standard 3x3MM 12-lead MCL package

