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 = 3.00V, Id = 56.23mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400.0	24.53	28.53	9.65	21.72	1.04	0.67	31.06	17.52	0.72
450.0	23.99	27.65	10.18	24.83	1.03	0.64	31.72	17.49	0.68
500.0	23.42	26.89	10.47	27.06	1.02	0.62	32.18	17.63	0.68
550.0	22.84	26.23	10.61	27.21	1.02	0.61	32.52	17.53	0.64
600.0	22.26	25.62	10.66	26.47	1.02	0.61	32.94	17.70	0.60
650.0	21.70	25.06	10.69	25.32	1.02	0.61	33.18	17.68	0.57
700.0	21.15	24.53	10.71	24.49	1.02	0.61	33.47	17.80	0.54
750.0	20.63	24.05	10.74	23.62	1.02	0.61	34.66	17.98	0.50
800.0	20.13	23.58	10.77	23.13	1.02	0.62	34.37	17.90	0.46
850.0	19.66	23.14	10.80	22.82	1.02	0.62	34.32	17.90	0.42
900.0	19.21	22.73	10.85	22.59	1.02	0.62	34.58	17.88	0.39
950.0	18.78	22.33	10.89	22.47	1.03	0.63	35.01	17.85	0.38
1000.0	18.37	21.95	10.93	22.34	1.03	0.63	34.82	17.77	0.39
1050.0	17.98	21.58	11.01	22.26	1.03	0.63	34.64	17.79	0.39
1100.0	17.59	21.23	11.03	22.17	1.03	0.63	35.27	17.90	0.38
1150.0	17.23	20.89	11.10	22.07	1.03	0.63	36.23	17.67	0.36
1200.0	16.88	20.57	11.16	22.07	1.03	0.64	35.30	17.89	0.37
1300.0	16.23	19.95	11.40	22.32	1.04	0.64	35.75	17.90	0.38
1400.0	15.63	19.36	11.67	22.65	1.04	0.64	36.08	17.97	0.38
1500.0	15.06	18.82	11.91	22.95	1.04	0.64	36.25	17.84	0.37
1600.0	14.54	18.31	12.11	23.15	1.04	0.64	36.79	18.29	0.36
1700.0	14.04	17.83	12.39	23.16	1.04	0.64	37.09	18.45	0.37
1800.0	13.57	17.37	12.83	23.10	1.05	0.64	36.90	18.23	0.39
1900.0	13.13	16.94	13.23	22.96	1.05	0.64	36.53	18.55	0.41
2000.0	12.71	16.53	13.55	22.89	1.05	0.64	37.72	18.33	0.43
2100.0	12.31	16.15	13.99	22.73	1.05	0.64	36.29	18.51	0.46
2200.0	11.92	15.78	14.40	22.32	1.05	0.64	38.59	18.60	0.44
2300.0	11.54	15.46	15.01	21.63	1.06	0.64	37.37	18.49	0.48
2400.0	11.15	15.17	15.74	21.41	1.07	0.64	40.66	18.78	0.53
2500.0	10.84	14.82	15.98	20.67	1.07	0.64	37.38	18.78	0.51
2600.0	10.49	14.54	16.61	20.21	1.07	0.64	39.93	18.80	0.57
2700.0	10.16	14.26	17.25	19.72	1.08	0.64	39.05	19.06	0.60
2800.0	9.87	13.99	17.96	19.07	1.08	0.63	39.66	19.04	0.59
2900.0	9.59	13.72	18.52	18.42	1.08	0.63	40.06	19.16	0.63
3000.0	9.33	13.44	18.80	17.92	1.08	0.62	38.80	18.89	0.68
3100.0	9.10	13.16	18.97	17.53	1.08	0.61	40.06	18.76	0.58
3200.0	8.87	12.89	19.28	17.28	1.08	0.61	38.64	19.18	0.67
3300.0	8.64	12.64	19.46	17.18	1.08	0.60	38.33	18.57	0.72
3400.0	8.43	12.39	19.72	17.31	1.08	0.60	38.81	18.81	0.90
3500.0	8.22	12.16	19.65	17.62	1.07	0.60	38.36	18.33	0.81

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 = 2.70V, Id = 48.88mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400.0	24.40	28.32	9.22	22.63	1.03	0.68	29.98	16.62	0.72
450.0	23.87	27.45	9.75	26.67	1.02	0.65	30.99	16.61	0.69
500.0	23.31	26.72	10.08	29.63	1.01	0.63	31.26	16.76	0.67
550.0	22.73	26.07	10.25	28.99	1.01	0.62	31.66	16.68	0.65
600.0	22.15	25.48	10.34	27.25	1.01	0.62	31.91	16.84	0.63
650.0	21.59	24.93	10.38	25.56	1.01	0.62	32.18	16.85	0.57
700.0	21.04	24.42	10.42	24.46	1.01	0.62	32.63	16.96	0.54
750.0	20.52	23.95	10.46	23.43	1.01	0.62	33.23	17.16	0.49
800.0	20.02	23.50	10.53	22.85	1.02	0.63	33.23	17.10	0.48
850.0	19.55	23.07	10.57	22.47	1.02	0.63	33.30	17.10	0.42
900.0	19.10	22.65	10.61	22.19	1.02	0.63	33.66	17.10	0.41
950.0	18.67	22.27	10.67	22.04	1.02	0.64	33.86	17.10	0.37
1000.0	18.26	21.89	10.71	21.88	1.02	0.64	33.87	17.03	0.38
1050.0	17.87	21.53	10.79	21.79	1.03	0.64	33.55	17.05	0.39
1100.0	17.48	21.18	10.81	21.70	1.03	0.64	34.00	17.15	0.37
1150.0	17.12	20.85	10.88	21.58	1.03	0.65	33.85	16.94	0.38
1200.0	16.77	20.53	10.96	21.58	1.03	0.65	34.43	17.16	0.37
1300.0	16.12	19.91	11.19	21.77	1.03	0.65	34.33	17.17	0.38
1400.0	15.52	19.33	11.45	22.07	1.04	0.65	34.77	17.25	0.37
1500.0	14.96	18.79	11.68	22.33	1.04	0.65	34.52	17.14	0.35
1600.0	14.43	18.28	11.88	22.53	1.04	0.65	35.05	17.55	0.37
1700.0	13.94	17.81	12.16	22.57	1.04	0.65	34.62	17.71	0.36
1800.0	13.47	17.35	12.60	22.55	1.05	0.65	35.66	17.50	0.39
1900.0	13.03	16.92	12.97	22.46	1.05	0.65	34.97	17.80	0.42
2000.0	12.61	16.51	13.30	22.45	1.05	0.65	35.51	17.63	0.40
2100.0	12.20	16.13	13.71	22.35	1.05	0.65	35.27	17.79	0.44
2200.0	11.82	15.77	14.08	22.03	1.06	0.65	36.69	17.86	0.42
2300.0	11.44	15.44	14.70	21.42	1.06	0.65	36.39	17.74	0.47
2400.0	11.05	15.16	15.40	21.29	1.07	0.65	38.15	18.01	0.53
2500.0	10.74	14.80	15.63	20.64	1.07	0.65	35.35	18.07	0.53
2600.0	10.40	14.52	16.24	20.23	1.07	0.65	37.43	18.07	0.57
2700.0	10.07	14.25	16.87	19.76	1.08	0.64	38.43	18.30	0.62
2800.0	9.77	13.97	17.55	19.15	1.08	0.64	38.08	18.29	0.62
2900.0	9.50	13.70	18.10	18.53	1.08	0.64	37.91	18.38	0.64
3000.0	9.24	13.42	18.36	18.03	1.08	0.63	38.28	18.11	0.66
3100.0	9.01	13.14	18.59	17.64	1.08	0.62	37.57	17.97	0.58
3200.0	8.79	12.87	18.88	17.41	1.08	0.62	36.20	18.34	0.65
3300.0	8.56	12.62	19.08	17.33	1.08	0.61	36.75	17.77	0.71
3400.0	8.34	12.37	19.37	17.46	1.08	0.61	36.95	17.92	0.86
3500.0	8.14	12.14	19.29	17.75	1.08	0.61	36.92	17.38	0.81

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 = 3.30V, Id = 63.90mA @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400.0	24.63	28.69	10.04	20.97	1.05	0.66	31.24	18.32	0.72
450.0	24.08	27.80	10.54	23.57	1.04	0.63	31.95	18.30	0.67
500.0	23.52	27.03	10.80	25.50	1.03	0.62	32.15	18.41	0.68
550.0	22.93	26.35	10.91	25.98	1.03	0.61	32.45	18.29	0.63
600.0	22.35	25.73	10.94	25.77	1.03	0.60	33.01	18.43	0.59
650.0	21.78	25.15	10.95	25.01	1.02	0.60	33.74	18.39	0.58
700.0	21.24	24.62	10.92	24.43	1.02	0.61	33.98	18.49	0.54
750.0	20.72	24.12	10.93	23.72	1.02	0.61	34.47	18.67	0.50
800.0	20.22	23.65	10.98	23.33	1.03	0.61	34.33	18.57	0.45
850.0	19.75	23.21	10.99	23.08	1.03	0.61	34.38	18.55	0.41
900.0	19.30	22.78	11.02	22.89	1.03	0.61	34.58	18.53	0.39
950.0	18.87	22.38	11.08	22.80	1.03	0.62	35.52	18.50	0.37
1000.0	18.46	21.99	11.11	22.69	1.03	0.62	34.99	18.40	0.38
1050.0	18.06	21.63	11.19	22.62	1.03	0.62	35.65	18.40	0.39
1100.0	17.68	21.27	11.20	22.56	1.03	0.62	35.64	18.52	0.37
1150.0	17.32	20.93	11.26	22.47	1.03	0.63	35.83	18.28	0.34
1200.0	16.97	20.60	11.34	22.50	1.03	0.63	35.50	18.51	0.38
1300.0	16.32	19.97	11.57	22.77	1.04	0.63	36.07	18.51	0.38
1400.0	15.71	19.39	11.85	23.14	1.04	0.63	36.71	18.58	0.36
1500.0	15.15	18.84	12.07	23.46	1.04	0.63	37.32	18.44	0.37
1600.0	14.62	18.33	12.29	23.67	1.04	0.63	37.88	18.92	0.36
1700.0	14.13	17.85	12.58	23.67	1.04	0.63	37.32	19.08	0.37
1800.0	13.66	17.38	13.03	23.57	1.04	0.63	37.39	18.84	0.37
1900.0	13.21	16.95	13.44	23.37	1.05	0.63	37.82	19.16	0.39
2000.0	12.79	16.54	13.78	23.23	1.05	0.63	37.77	18.94	0.42
2100.0	12.39	16.16	14.21	22.98	1.05	0.63	37.67	19.13	0.44
2200.0	12.00	15.79	14.62	22.51	1.05	0.63	39.53	19.22	0.43
2300.0	11.62	15.47	15.27	21.76	1.06	0.63	38.54	19.11	0.47
2400.0	11.23	15.18	16.01	21.48	1.07	0.63	42.79	19.43	0.53
2500.0	10.91	14.83	16.26	20.68	1.06	0.63	36.65	19.42	0.54
2600.0	10.57	14.55	16.91	20.16	1.07	0.63	39.56	19.40	0.57
2700.0	10.24	14.28	17.57	19.63	1.07	0.63	40.57	19.69	0.62
2800.0	9.94	14.00	18.27	18.99	1.08	0.62	41.08	19.67	0.64
2900.0	9.66	13.73	18.81	18.36	1.08	0.62	40.33	19.78	0.61
3000.0	9.40	13.45	19.11	17.82	1.08	0.61	38.63	19.53	0.68
3100.0	9.17	13.18	19.28	17.39	1.08	0.61	40.16	19.41	0.57
3200.0	8.95	12.91	19.58	17.16	1.07	0.60	39.33	19.85	0.62
3300.0	8.72	12.66	19.74	17.08	1.07	0.60	38.69	19.24	0.69
3400.0	8.50	12.41	20.04	17.19	1.07	0.59	40.91	19.50	0.84
3500.0	8.29	12.18	19.92	17.45	1.07	0.59	40.43	19.02	0.84

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 = 3.00V, Id = 58.68mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400.0	24.88	28.91	10.39	19.37	1.06	0.64	32.33	17.24	0.60
450.0	24.32	27.98	10.96	21.23	1.05	0.61	33.39	17.21	0.58
500.0	23.74	27.18	11.20	22.57	1.04	0.59	33.78	17.32	0.57
550.0	23.15	26.47	11.28	23.11	1.03	0.58	33.40	17.22	0.51
600.0	22.57	25.83	11.28	23.38	1.03	0.58	34.16	17.41	0.50
650.0	22.00	25.23	11.25	23.24	1.03	0.57	34.45	17.42	0.45
700.0	21.46	24.68	11.25	23.13	1.03	0.57	35.08	17.55	0.41
750.0	20.94	24.16	11.23	22.76	1.02	0.57	35.58	17.79	0.37
800.0	20.44	23.66	11.27	22.51	1.03	0.57	35.50	17.72	0.36
850.0	19.97	23.21	11.26	22.30	1.03	0.58	35.25	17.71	0.30
900.0	19.52	22.77	11.24	22.09	1.03	0.58	35.91	17.73	0.31
950.0	19.08	22.36	11.27	21.98	1.03	0.58	36.07	17.72	0.26
1000.0	18.67	21.96	11.27	21.91	1.03	0.58	36.14	17.68	0.27
1050.0	18.28	21.59	11.34	21.97	1.03	0.58	36.05	17.70	0.28
1100.0	17.90	21.22	11.35	22.04	1.03	0.58	36.65	17.82	0.26
1150.0	17.54	20.87	11.43	22.10	1.03	0.59	36.79	17.59	0.27
1200.0	17.19	20.53	11.53	22.20	1.03	0.59	36.57	17.83	0.25
1300.0	16.54	19.89	11.73	22.48	1.03	0.59	36.75	17.85	0.24
1400.0	15.94	19.30	11.92	22.92	1.03	0.59	37.21	17.94	0.25
1500.0	15.38	18.74	12.14	23.56	1.03	0.59	37.74	17.81	0.26
1600.0	14.85	18.22	12.37	24.09	1.03	0.59	38.55	18.24	0.25
1700.0	14.36	17.73	12.68	24.20	1.03	0.59	37.78	18.43	0.28
1800.0	13.89	17.26	13.07	24.32	1.03	0.59	37.78	18.21	0.27
1900.0	13.45	16.83	13.39	24.55	1.04	0.59	39.23	18.51	0.27
2000.0	13.03	16.41	13.74	24.62	1.04	0.59	38.44	18.31	0.27
2100.0	12.64	16.02	14.26	24.12	1.04	0.59	37.97	18.50	0.29
2200.0	12.25	15.64	14.75	23.41	1.04	0.58	40.40	18.61	0.30
2300.0	11.88	15.31	15.36	22.88	1.04	0.58	40.96	18.50	0.32
2400.0	11.49	15.02	15.97	23.05	1.05	0.59	42.77	18.76	0.37
2500.0	11.18	14.67	16.15	22.18	1.05	0.59	37.87	18.77	0.35
2600.0	10.83	14.38	17.00	21.31	1.05	0.59	41.95	18.77	0.40
2700.0	10.49	14.12	17.89	20.64	1.06	0.59	41.12	19.04	0.43
2800.0	10.17	13.86	18.61	20.09	1.06	0.59	40.16	19.05	0.45
2900.0	9.89	13.60	19.08	19.40	1.06	0.59	41.70	19.16	0.45
3000.0	9.63	13.32	19.36	18.51	1.06	0.58	42.00	18.93	0.48
3100.0	9.41	13.03	19.64	17.73	1.06	0.57	41.81	18.82	0.39
3200.0	9.20	12.74	19.99	17.43	1.06	0.56	40.36	19.23	0.46
3300.0	8.98	12.49	20.05	17.34	1.05	0.55	40.03	18.67	0.51
3400.0	8.75	12.24	20.22	17.14	1.05	0.55	45.96	18.97	0.64
3500.0	8.55	12.00	20.09	16.92	1.05	0.54	42.05	18.50	0.58

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 = 2.70V, Id = 50.25mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400.0	24.77	28.74	9.94	20.24	1.05	0.65	31.30	16.45	0.57
450.0	24.22	27.83	10.51	22.48	1.04	0.62	31.94	16.43	0.57
500.0	23.65	27.04	10.80	24.00	1.03	0.60	33.13	16.56	0.58
550.0	23.06	26.35	10.92	24.40	1.03	0.59	33.21	16.46	0.53
600.0	22.48	25.72	10.95	24.40	1.02	0.58	33.39	16.65	0.50
650.0	21.91	25.14	10.95	23.95	1.02	0.58	34.21	16.67	0.46
700.0	21.37	24.59	10.97	23.61	1.02	0.58	34.40	16.80	0.42
750.0	20.85	24.08	10.98	23.05	1.02	0.58	35.39	17.04	0.38
800.0	20.35	23.61	11.02	22.67	1.02	0.58	34.74	16.98	0.36
850.0	19.88	23.15	11.03	22.35	1.02	0.59	34.69	16.97	0.32
900.0	19.43	22.73	11.02	22.07	1.02	0.59	35.18	16.99	0.29
950.0	18.99	22.32	11.05	21.92	1.02	0.59	35.31	16.98	0.28
1000.0	18.58	21.93	11.06	21.81	1.02	0.59	35.48	16.94	0.26
1050.0	18.19	21.56	11.13	21.81	1.03	0.60	35.86	16.97	0.27
1100.0	17.81	21.19	11.15	21.85	1.03	0.60	36.03	17.07	0.28
1150.0	17.45	20.85	11.24	21.87	1.03	0.60	36.18	16.85	0.25
1200.0	17.10	20.51	11.33	21.94	1.03	0.60	35.79	17.10	0.23
1300.0	16.45	19.88	11.54	22.17	1.03	0.60	36.20	17.14	0.27
1400.0	15.85	19.29	11.72	22.56	1.03	0.60	36.25	17.21	0.26
1500.0	15.28	18.74	11.92	23.11	1.03	0.60	36.68	17.08	0.26
1600.0	14.76	18.21	12.16	23.56	1.03	0.60	37.61	17.49	0.25
1700.0	14.28	17.73	12.47	23.66	1.03	0.60	36.91	17.68	0.26
1800.0	13.80	17.26	12.85	23.78	1.03	0.60	37.82	17.49	0.25
1900.0	13.36	16.83	13.16	23.98	1.04	0.60	37.95	17.75	0.28
2000.0	12.95	16.41	13.48	24.02	1.04	0.60	38.17	17.61	0.28
2100.0	12.55	16.02	14.00	23.59	1.04	0.60	38.11	17.77	0.30
2200.0	12.17	15.65	14.48	23.02	1.04	0.60	39.89	17.87	0.31
2300.0	11.79	15.31	15.08	22.57	1.04	0.60	37.81	17.74	0.34
2400.0	11.40	15.03	15.63	22.77	1.05	0.60	41.86	17.99	0.39
2500.0	11.09	14.67	15.85	21.97	1.05	0.60	37.59	18.03	0.38
2600.0	10.74	14.38	16.65	21.17	1.05	0.60	39.81	18.04	0.38
2700.0	10.41	14.12	17.53	20.57	1.06	0.60	40.58	18.28	0.43
2800.0	10.09	13.86	18.20	20.08	1.07	0.60	40.70	18.30	0.44
2900.0	9.81	13.60	18.66	19.41	1.07	0.60	39.82	18.41	0.46
3000.0	9.55	13.31	18.96	18.51	1.06	0.59	40.64	18.15	0.47
3100.0	9.33	13.02	19.25	17.74	1.06	0.58	39.69	18.04	0.41
3200.0	9.12	12.74	19.57	17.48	1.06	0.57	38.72	18.43	0.50
3300.0	8.90	12.48	19.66	17.40	1.06	0.57	39.42	17.89	0.52
3400.0	8.68	12.23	19.82	17.18	1.06	0.56	39.70	18.12	0.63
3500.0	8.48	12.00	19.79	16.95	1.05	0.55	39.08	17.68	0.60

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 = 3.30V, Id = 67.32mA @ Temperature = -45°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400.0	24.96	29.04	10.79	18.77	1.07	0.64	32.64	18.07	0.55
450.0	24.40	28.10	11.31	20.44	1.05	0.61	33.11	18.03	0.57
500.0	23.82	27.28	11.53	21.69	1.04	0.59	34.06	18.14	0.56
550.0	23.23	26.56	11.58	22.30	1.04	0.57	33.67	18.03	0.53
600.0	22.64	25.90	11.54	22.69	1.03	0.57	34.33	18.22	0.48
650.0	22.08	25.29	11.48	22.71	1.03	0.57	35.19	18.23	0.46
700.0	21.53	24.73	11.44	22.73	1.03	0.57	35.16	18.35	0.41
750.0	21.02	24.21	11.43	22.51	1.03	0.56	35.46	18.58	0.39
800.0	20.52	23.71	11.46	22.38	1.03	0.57	35.14	18.50	0.34
850.0	20.05	23.25	11.43	22.25	1.03	0.57	35.61	18.48	0.31
900.0	19.59	22.80	11.42	22.10	1.03	0.57	35.68	18.49	0.29
950.0	19.16	22.39	11.43	22.03	1.03	0.57	35.86	18.48	0.30
1000.0	18.75	21.99	11.43	21.99	1.03	0.57	35.88	18.41	0.26
1050.0	18.35	21.61	11.48	22.06	1.03	0.57	36.47	18.43	0.27
1100.0	17.98	21.24	11.50	22.15	1.03	0.58	36.71	18.55	0.27
1150.0	17.62	20.89	11.57	22.23	1.03	0.58	36.26	18.32	0.24
1200.0	17.27	20.55	11.67	22.37	1.03	0.58	36.28	18.53	0.24
1300.0	16.62	19.90	11.88	22.73	1.03	0.58	37.01	18.54	0.26
1400.0	16.02	19.31	12.08	23.22	1.03	0.58	37.34	18.63	0.25
1500.0	15.45	18.75	12.27	23.89	1.03	0.58	37.34	18.48	0.25
1600.0	14.93	18.22	12.54	24.45	1.03	0.58	38.69	18.94	0.26
1700.0	14.44	17.73	12.85	24.63	1.03	0.58	39.34	19.13	0.25
1800.0	13.97	17.26	13.25	24.79	1.03	0.58	37.83	18.87	0.26
1900.0	13.52	16.83	13.57	25.02	1.03	0.58	37.91	19.20	0.27
2000.0	13.11	16.41	13.91	25.02	1.03	0.58	37.76	18.96	0.31
2100.0	12.71	16.02	14.46	24.45	1.04	0.58	38.00	19.16	0.31
2200.0	12.32	15.65	14.97	23.72	1.04	0.58	39.65	19.27	0.32
2300.0	11.95	15.31	15.60	23.15	1.04	0.58	40.13	19.20	0.33
2400.0	11.56	15.02	16.20	23.25	1.05	0.58	40.56	19.44	0.36
2500.0	11.24	14.67	16.40	22.26	1.05	0.58	38.31	19.44	0.39
2600.0	10.90	14.39	17.30	21.33	1.05	0.58	41.55	19.44	0.40
2700.0	10.56	14.12	18.20	20.64	1.06	0.58	42.10	19.73	0.43
2800.0	10.24	13.86	18.94	20.10	1.06	0.58	41.09	19.73	0.44
2900.0	9.95	13.60	19.42	19.38	1.06	0.58	41.12	19.83	0.47
3000.0	9.70	13.32	19.68	18.44	1.06	0.57	40.83	19.60	0.48
3100.0	9.47	13.03	19.94	17.66	1.06	0.56	41.04	19.49	0.41
3200.0	9.26	12.75	20.27	17.40	1.05	0.55	43.75	19.94	0.47
3300.0	9.04	12.49	20.30	17.32	1.05	0.55	40.73	19.37	0.54
3400.0	8.82	12.24	20.43	17.07	1.05	0.54	43.56	19.71	0.65
3500.0	8.61	12.01	20.32	16.82	1.05	0.54	41.67	19.21	0.60

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 = 3.00V, Id = 55.73mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400.0	24.17	28.19	9.13	23.61	1.03	0.69	29.32	17.38	0.89
450.0	23.66	27.35	9.61	29.07	1.02	0.67	30.03	17.35	0.86
500.0	23.11	26.62	9.91	35.84	1.01	0.65	30.64	17.44	0.80
550.0	22.54	25.99	10.09	33.70	1.01	0.64	30.76	17.28	0.78
600.0	21.97	25.42	10.19	29.49	1.01	0.64	31.17	17.41	0.72
650.0	21.41	24.89	10.24	26.74	1.01	0.64	31.74	17.35	0.69
700.0	20.87	24.40	10.27	25.14	1.01	0.65	32.05	17.44	0.63
750.0	20.35	23.93	10.30	23.86	1.01	0.65	32.78	17.61	0.57
800.0	19.85	23.50	10.38	23.20	1.02	0.66	32.60	17.52	0.58
850.0	19.38	23.08	10.44	22.82	1.02	0.66	32.75	17.52	0.52
900.0	18.93	22.68	10.50	22.59	1.02	0.66	33.11	17.49	0.50
950.0	18.50	22.30	10.60	22.51	1.02	0.67	33.51	17.48	0.50
1000.0	18.09	21.93	10.67	22.40	1.03	0.67	33.69	17.39	0.47
1050.0	17.70	21.57	10.76	22.31	1.03	0.67	33.56	17.40	0.49
1100.0	17.32	21.23	10.79	22.18	1.03	0.67	34.15	17.53	0.48
1150.0	16.96	20.91	10.85	22.00	1.03	0.68	34.61	17.30	0.47
1200.0	16.61	20.59	10.93	21.88	1.04	0.68	34.06	17.52	0.46
1300.0	15.95	19.99	11.17	21.88	1.04	0.68	34.31	17.53	0.48
1400.0	15.35	19.42	11.49	21.98	1.04	0.68	35.14	17.60	0.49
1500.0	14.79	18.88	11.74	22.12	1.05	0.68	34.99	17.49	0.48
1600.0	14.26	18.39	11.93	22.24	1.05	0.68	35.81	17.96	0.50
1700.0	13.76	17.92	12.17	22.16	1.05	0.69	35.72	18.11	0.53
1800.0	13.28	17.47	12.63	21.83	1.06	0.68	35.84	17.88	0.52
1900.0	12.84	17.04	13.08	21.40	1.06	0.68	35.85	18.20	0.52
2000.0	12.42	16.64	13.47	21.20	1.06	0.68	36.81	17.98	0.55
2100.0	12.01	16.27	13.84	21.11	1.07	0.68	35.76	18.17	0.57
2200.0	11.63	15.91	14.23	20.80	1.07	0.68	37.97	18.23	0.60
2300.0	11.25	15.59	14.87	20.14	1.08	0.68	36.76	18.11	0.64
2400.0	10.86	15.30	15.55	19.83	1.08	0.68	39.74	18.44	0.69
2500.0	10.54	14.95	15.79	19.30	1.08	0.67	36.13	18.44	0.69
2600.0	10.20	14.67	16.27	19.04	1.09	0.67	39.64	18.43	0.75
2700.0	9.88	14.39	16.81	18.68	1.09	0.67	38.56	18.68	0.78
2800.0	9.59	14.11	17.56	18.17	1.10	0.67	39.82	18.65	0.81
2900.0	9.32	13.84	18.20	17.77	1.10	0.66	38.74	18.74	0.83
3000.0	9.05	13.57	18.49	17.57	1.10	0.66	39.19	18.46	0.89
3100.0	8.81	13.30	18.59	17.46	1.10	0.65	38.22	18.31	0.81
3200.0	8.58	13.04	18.83	17.44	1.10	0.65	37.56	18.70	0.85
3300.0	8.35	12.79	19.02	17.57	1.10	0.65	37.67	18.09	0.97
3400.0	8.12	12.55	19.29	17.88	1.10	0.65	39.04	18.28	1.13
3500.0	7.91	12.33	19.22	18.32	1.10	0.65	38.30	17.76	1.10

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 = 2.70V, Id = 48.67mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400.0	24.03	27.96	8.69	24.14	1.02	0.70	28.67	16.45	0.87
450.0	23.52	27.13	9.19	30.93	1.00	0.67	29.30	16.43	0.82
500.0	22.98	26.43	9.52	45.98	1.00	0.66	29.51	16.57	0.81
550.0	22.41	25.81	9.73	34.29	1.00	0.65	29.76	16.45	0.76
600.0	21.85	25.25	9.86	28.90	1.00	0.65	30.11	16.59	0.72
650.0	21.28	24.74	9.92	26.12	1.00	0.65	30.78	16.56	0.69
700.0	20.74	24.26	9.99	24.49	1.00	0.66	31.10	16.64	0.65
750.0	20.22	23.81	10.03	23.23	1.01	0.66	31.57	16.82	0.61
800.0	19.72	23.39	10.13	22.55	1.01	0.66	31.77	16.76	0.56
850.0	19.25	22.98	10.19	22.16	1.01	0.67	31.65	16.75	0.53
900.0	18.80	22.58	10.26	21.92	1.02	0.67	32.04	16.74	0.50
950.0	18.37	22.21	10.37	21.83	1.02	0.68	32.31	16.73	0.51
1000.0	17.96	21.84	10.44	21.73	1.02	0.68	32.42	16.66	0.49
1050.0	17.57	21.50	10.53	21.64	1.03	0.68	32.28	16.68	0.50
1100.0	17.19	21.16	10.56	21.51	1.03	0.68	32.81	16.78	0.49
1150.0	16.83	20.84	10.63	21.35	1.03	0.69	32.91	16.57	0.49
1200.0	16.48	20.53	10.70	21.24	1.03	0.69	32.80	16.78	0.47
1300.0	15.82	19.94	10.95	21.23	1.04	0.69	33.08	16.79	0.50
1400.0	15.23	19.37	11.25	21.35	1.04	0.69	33.76	16.88	0.49
1500.0	14.66	18.84	11.51	21.51	1.05	0.69	33.69	16.76	0.51
1600.0	14.13	18.35	11.69	21.65	1.05	0.69	34.21	17.20	0.48
1700.0	13.64	17.89	11.92	21.62	1.05	0.70	33.88	17.35	0.50
1800.0	13.16	17.44	12.37	21.38	1.06	0.69	34.08	17.14	0.51
1900.0	12.72	17.01	12.83	21.05	1.06	0.69	34.40	17.43	0.53
2000.0	12.31	16.61	13.18	20.94	1.06	0.69	34.76	17.25	0.57
2100.0	11.90	16.24	13.56	20.92	1.07	0.69	34.66	17.41	0.57
2200.0	11.51	15.88	13.92	20.67	1.07	0.69	35.47	17.48	0.59
2300.0	11.13	15.56	14.54	20.08	1.08	0.69	35.84	17.36	0.63
2400.0	10.75	15.27	15.22	19.84	1.09	0.69	37.63	17.67	0.68
2500.0	10.43	14.93	15.45	19.36	1.09	0.68	34.91	17.69	0.68
2600.0	10.09	14.64	15.91	19.15	1.09	0.68	37.23	17.69	0.72
2700.0	9.78	14.36	16.43	18.83	1.10	0.68	37.90	17.93	0.79
2800.0	9.49	14.08	17.14	18.33	1.10	0.67	37.73	17.89	0.79
2900.0	9.21	13.81	17.79	17.93	1.10	0.67	37.48	17.95	0.85
3000.0	8.95	13.54	18.06	17.75	1.10	0.67	37.44	17.68	0.88
3100.0	8.71	13.27	18.19	17.66	1.10	0.66	38.09	17.56	0.83
3200.0	8.48	13.01	18.41	17.64	1.10	0.66	36.40	17.91	0.88
3300.0	8.25	12.76	18.59	17.77	1.10	0.66	35.88	17.32	1.00
3400.0	8.02	12.52	18.90	18.10	1.10	0.65	37.18	17.48	1.08
3500.0	7.81	12.30	18.78	18.57	1.10	0.66	37.03	16.97	1.11

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 = 3.30V, Id= 62.82mA @ Temperature = +85°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		IP-3 Output	1dB Comp. Output	Noise Figure
(MHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dBm)	(dBm)	(dB)
400.0	24.28	28.37	9.50	22.94	1.04	0.69	30.22	18.19	0.85
450.0	23.76	27.52	9.96	27.41	1.03	0.66	30.91	18.12	0.87
500.0	23.21	26.78	10.24	32.15	1.02	0.65	31.33	18.16	0.83
550.0	22.63	26.14	10.39	32.44	1.02	0.64	31.29	17.98	0.75
600.0	22.06	25.55	10.47	29.80	1.02	0.64	32.00	18.08	0.72
650.0	21.50	25.01	10.49	27.30	1.02	0.64	32.20	17.99	0.69
700.0	20.96	24.51	10.50	25.77	1.02	0.64	32.86	18.08	0.65
750.0	20.44	24.04	10.53	24.49	1.02	0.65	33.93	18.24	0.61
800.0	19.94	23.59	10.58	23.82	1.02	0.65	33.65	18.15	0.55
850.0	19.47	23.17	10.65	23.46	1.02	0.65	33.60	18.16	0.53
900.0	19.02	22.76	10.71	23.25	1.03	0.66	33.99	18.11	0.52
950.0	18.59	22.37	10.81	23.19	1.03	0.66	34.60	18.11	0.50
1000.0	18.18	22.00	10.89	23.09	1.03	0.66	34.48	18.00	0.48
1050.0	17.79	21.64	10.96	22.99	1.03	0.66	34.56	18.02	0.48
1100.0	17.41	21.29	10.98	22.84	1.03	0.67	34.67	18.15	0.47
1150.0	17.05	20.96	11.05	22.63	1.04	0.67	34.92	17.91	0.49
1200.0	16.70	20.64	11.11	22.49	1.04	0.67	34.93	18.15	0.49
1300.0	16.04	20.04	11.36	22.47	1.04	0.67	35.46	18.15	0.50
1400.0	15.44	19.47	11.68	22.55	1.04	0.67	35.94	18.23	0.48
1500.0	14.88	18.93	11.95	22.65	1.05	0.68	36.09	18.11	0.49
1600.0	14.34	18.43	12.13	22.72	1.05	0.68	36.63	18.60	0.50
1700.0	13.84	17.96	12.36	22.58	1.05	0.68	36.38	18.75	0.50
1800.0	13.37	17.51	12.84	22.16	1.06	0.68	37.01	18.51	0.52
1900.0	12.93	17.08	13.32	21.62	1.06	0.67	36.90	18.83	0.54
2000.0	12.51	16.68	13.71	21.35	1.06	0.67	37.38	18.62	0.57
2100.0	12.10	16.30	14.09	21.20	1.07	0.67	37.33	18.79	0.59
2200.0	11.71	15.94	14.47	20.83	1.07	0.67	39.02	18.86	0.57
2300.0	11.33	15.62	15.13	20.12	1.07	0.67	37.74	18.74	0.64
2400.0	10.94	15.33	15.83	19.74	1.08	0.67	42.51	19.09	0.68
2500.0	10.62	14.99	16.09	19.17	1.08	0.67	36.78	19.09	0.69
2600.0	10.28	14.70	16.55	18.89	1.09	0.67	39.41	19.06	0.72
2700.0	9.96	14.42	17.10	18.50	1.09	0.66	40.25	19.32	0.78
2800.0	9.67	14.14	17.87	17.99	1.10	0.66	40.29	19.28	0.82
2900.0	9.39	13.87	18.55	17.57	1.10	0.65	39.37	19.35	0.85
3000.0	9.12	13.60	18.85	17.38	1.10	0.65	40.29	19.07	0.85
3100.0	8.88	13.34	18.95	17.26	1.10	0.65	39.51	18.97	0.78
3200.0	8.65	13.07	19.11	17.22	1.10	0.64	39.14	19.41	0.87
3300.0	8.42	12.83	19.29	17.33	1.10	0.64	38.21	18.76	0.93
3400.0	8.19	12.59	19.61	17.63	1.10	0.64	39.22	18.96	1.09
3500.0	7.98	12.36	19.49	18.07	1.10	0.64	38.92	18.48	1.10