Typical Performance Data

TEST CONDITIONS: Vd1 = +3V, Vd2 = +5V @ Temperature = +25degC

FREQ	GAIN @ 0dB Step	STEP ATTENUATION @							Output IP3 @ 0dB Step	Pout at 1dB Comp @ 0dB Step	Noise Figure @ 0dB Step
		0.5 dB	1.0 dB	2 dB	4 dB	8 dB	16 dB	31.5 dB			
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dB)
400	29.40	0.51	1.01	1.96	3.93	7.87	15.81	31.19	36.18	21.88	2.23
500	30.05	0.52	1.02	2.01	4.01	7.98	15.93	31.34	36.06	22.63	2.08
600	30.12	0.52	1.02	2.03	4.04	8.04	16.01	31.41	36.13	22.50	2.46
700	30.16	0.52	1.03	2.01	4.02	8.04	16.04	31.39	35.92	22.59	2.11
800	30.26	0.52	1.03	1.99	4.01	8.03	16.05	31.37	35.76	22.68	2.14
900	30.40	0.52	1.03	1.97	3.99	8.02	16.06	31.35	35.90	22.92	2.19
1000	30.51	0.52	1.03	1.96	3.97	7.99	16.02	31.32	35.42	22.79	2.23
1200	30.31	0.51	1.00	1.93	3.90	7.84	15.78	31.17	36.03	22.89	2.40
1400	29.27	0.49	0.95	1.92	3.82	7.66	15.44	30.97	36.41	23.12	2.51
1600	27.53	0.49	0.93	1.95	3.84	7.64	15.34	30.90	37.04	23.03	2.57
1800	25.62	0.50	0.96	2.03	3.96	7.82	15.57	31.05	37.40	22.95	2.73
2000	23.75	0.53	1.02	2.11	4.10	8.06	15.90	31.27	38.01	22.80	2.82
2200	22.07	0.56	1.09	2.19	4.24	8.31	16.26	31.52	37.85	22.66	2.92
2400	20.51	0.59	1.14	2.25	4.34	8.50	16.55	31.69	37.98	22.67	3.03

Typical Performance Data

TEST CONDITIONS: Vd1 = +3V, Vd2 = +5V @ Temperature = -40degC

FREQ	GAIN @ 0dB Step	STEP ATTENUATION @							Output IP3 @ 0dB Step	Pout at 1dB Comp @ 0dB Step	Noise Figure @ 0dB Step
		0.5 dB	1.0 dB	2 dB	4 dB	8 dB	16 dB	31.5 dB			
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dB)
400	29.63	0.53	1.03	1.98	3.96	7.93	15.86	31.34	40.00	22.86	1.81
500	30.62	0.54	1.05	2.05	4.07	8.09	16.04	31.55	39.87	23.25	1.61
600	30.91	0.55	1.06	2.08	4.13	8.18	16.14	31.66	39.81	22.94	1.98
700	31.09	0.54	1.06	2.07	4.10	8.18	16.16	31.65	39.47	23.02	1.58
800	31.27	0.54	1.05	2.03	4.07	8.13	16.13	31.58	39.24	23.11	1.56
900	31.48	0.53	1.05	2.00	4.03	8.09	16.10	31.52	39.44	23.35	1.57
1000	31.63	0.53	1.04	1.97	3.98	8.03	16.03	31.45	38.96	23.20	1.66
1200	31.55	0.52	1.02	1.95	3.91	7.91	15.83	31.32	39.71	23.33	1.76
1400	30.65	0.51	0.99	1.97	3.93	7.84	15.63	31.21	40.36	23.56	1.85
1600	28.94	0.51	0.99	2.04	4.00	7.92	15.64	31.22	40.38	23.47	1.94
1800	27.02	0.54	1.03	2.15	4.16	8.15	15.91	31.39	40.79	23.42	2.01
2000	25.19	0.56	1.09	2.25	4.32	8.40	16.25	31.60	41.16	23.31	2.06
2200	23.50	0.60	1.15	2.32	4.46	8.64	16.58	31.80	41.34	23.27	2.16
2400	21.93	0.63	1.21	2.39	4.57	8.84	16.87	31.95	41.08	23.32	2.29

Typical Performance Data

TEST CONDITIONS: Vd1 = +3V, Vd2 = +5V @ Temperature = +85degC

FREQ	GAIN @ 0dB Step	STEP ATTENUATION @							Output IP3 @ 0dB Step	Pout at 1dB Comp @ 0dB Step	Noise Figure @ 0dB Step
		0.5 dB	1.0 dB	2 dB	4 dB	8 dB	16 dB	31.5 dB			
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dBm)	(dBm)	(dB)
400	28.91	0.50	0.99	1.94	3.90	7.82	15.76	31.05	32.76	20.20	2.75
500	29.29	0.50	0.99	1.98	3.96	7.91	15.85	31.16	32.83	21.08	2.68
600	29.21	0.51	1.00	1.99	3.98	7.95	15.92	31.21	33.11	21.12	2.99
700	29.16	0.51	1.00	1.98	3.98	7.97	15.97	31.22	32.95	21.23	2.73
800	29.21	0.51	1.01	1.97	3.98	8.00	16.03	31.23	33.09	21.37	2.79
900	29.31	0.51	1.03	1.97	3.99	8.01	16.07	31.25	33.10	21.55	2.82
1000	29.39	0.52	1.03	1.96	3.98	8.01	16.06	31.25	32.72	21.44	2.92
1200	29.13	0.50	1.00	1.93	3.90	7.84	15.79	31.10	33.24	21.64	3.11
1400	28.07	0.48	0.93	1.89	3.78	7.58	15.35	30.83	33.85	22.05	3.20
1600	26.34	0.46	0.90	1.88	3.74	7.47	15.16	30.69	34.53	22.17	3.31
1800	24.45	0.47	0.92	1.94	3.82	7.61	15.34	30.81	35.14	22.18	3.46
2000	22.59	0.50	0.97	2.01	3.94	7.82	15.65	31.02	35.44	22.04	3.57
2200	20.90	0.53	1.04	2.09	4.06	8.05	15.99	31.27	35.31	21.78	3.66
2400	19.33	0.56	1.09	2.14	4.16	8.24	16.27	31.46	34.83	21.50	3.79

Typical Performance Data

TEST CONDITIONS: Vd1 = +3V, Vd2 = +5V @ Temperature = +25degC

FREQ	INPUT RETURN LOSS @							
	0 dB	0.5 dB	1 dB	2 dB	4 dB	8 dB	16 dB	31.5 dB
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
400	16.81	17.95	18.98	19.55	21.44	25.12	33.97	31.97
500	15.27	16.54	17.68	17.75	19.60	23.37	33.19	34.59
600	13.99	15.23	16.36	16.65	18.66	22.38	32.48	40.80
700	14.45	15.68	16.80	17.27	19.21	22.44	31.81	49.33
800	16.45	17.72	18.88	19.79	21.47	23.41	31.16	36.75
900	20.00	21.31	22.41	26.05	26.26	24.61	29.77	30.97
1000	21.04	21.56	22.19	31.64	28.97	24.26	27.49	27.13
1200	11.28	11.81	12.43	14.02	16.15	18.70	22.64	22.12
1400	6.82	7.46	8.07	9.14	11.17	14.49	18.91	18.81
1600	5.49	6.15	6.75	7.66	9.53	12.76	16.58	16.33
1800	5.51	6.20	6.80	7.58	9.30	12.23	15.03	14.43
2000	6.46	7.16	7.74	8.37	9.87	12.25	13.82	12.90
2200	7.76	8.45	8.95	9.43	10.61	12.30	12.78	11.69
2400	9.21	9.80	10.14	10.47	11.24	12.14	11.82	10.71

Typical Performance Data

TEST CONDITIONS: Vd1 = +3V, Vd2 = +5V @ Temperature = -40degC

FREQ	INPUT RETURN LOSS @							
	0 dB	0.5 dB	1 dB	2 dB	4 dB	8 dB	16 dB	31.5 dB
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
400	22.09	23.02	23.36	26.66	30.99	34.77	23.57	21.54
500	20.15	22.24	24.09	24.18	27.85	35.71	23.71	21.69
600	16.91	18.69	20.36	20.75	24.24	33.41	25.16	22.88
700	16.92	18.56	19.96	21.06	24.68	33.51	25.88	23.57
800	18.85	20.32	21.31	23.64	27.88	37.83	27.70	25.03
900	21.57	22.05	22.27	29.16	41.85	42.88	28.39	25.42
1000	18.81	18.76	18.88	22.99	26.25	28.62	27.39	24.76
1200	10.18	10.72	11.28	12.85	15.41	19.35	23.06	21.90
1400	6.18	6.89	7.59	8.75	11.12	15.21	19.65	19.17
1600	4.94	5.73	6.44	7.46	9.68	13.45	16.90	16.33
1800	5.06	5.92	6.66	7.56	9.63	12.88	14.99	14.15
2000	6.15	7.06	7.82	8.55	10.32	12.71	13.41	12.42
2200	7.63	8.57	9.26	9.72	11.04	12.36	12.08	11.06
2400	9.37	10.22	10.69	10.81	11.41	11.64	10.75	9.82

Typical Performance Data

TEST CONDITIONS: Vd1 = +3V, Vd2 = +5V @ Temperature = +85degC

FREQ	INPUT RETURN LOSS @							
	0 dB	0.5 dB	1 dB	2 dB	4 dB	8 dB	16 dB	31.5 dB
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
400	13.95	14.94	15.86	15.98	17.24	19.33	24.71	29.09
500	12.67	13.70	14.60	14.58	15.88	18.09	23.10	26.66
600	12.09	13.11	14.04	14.15	15.49	17.66	22.25	25.32
700	12.79	13.84	14.79	14.90	16.04	17.66	21.50	23.79
800	14.96	16.14	17.19	17.19	17.75	18.22	21.02	22.64
900	19.14	20.70	22.17	22.02	20.42	18.82	20.54	21.46
1000	24.28	26.05	27.95	32.63	22.40	18.83	19.87	20.34
1200	12.36	12.85	13.44	14.76	15.87	16.46	18.21	18.26
1400	7.43	7.97	8.50	9.44	11.07	13.40	16.41	16.49
1600	5.88	6.43	6.93	7.72	9.29	11.87	15.05	14.98
1800	5.80	6.36	6.85	7.53	8.98	11.44	14.12	13.73
2000	6.60	7.15	7.61	8.17	9.45	11.63	13.50	12.69
2200	7.71	8.25	8.61	9.11	10.20	11.97	12.97	11.85
2400	8.93	9.38	9.62	10.11	10.96	12.25	12.44	11.22

Typical Performance Data

TEST CONDITIONS: Vd1 = +3V, Vd2 = +5V @ Temperature = +25degC

FREQ	OUTPUT RETURN LOSS @							
	0 dB	0.5 dB	1 dB	2 dB	4 dB	8 dB	16 dB	31.5 dB
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
400	22.79	22.76	22.73	22.91	22.91	22.85	22.63	22.81
500	20.33	20.34	20.39	20.24	20.34	20.60	21.02	20.79
600	17.03	17.05	17.11	16.95	17.06	17.32	17.75	17.52
700	15.65	15.67	15.76	15.58	15.70	15.94	16.37	16.17
800	14.90	14.97	14.99	14.82	14.91	15.12	15.49	15.35
900	14.57	14.59	14.66	14.50	14.58	14.74	15.03	15.02
1000	14.74	14.78	14.82	14.67	14.72	14.80	14.99	15.13
1200	16.51	16.52	16.51	16.30	16.24	16.11	16.06	16.56
1400	16.07	16.00	16.02	15.72	15.65	15.53	15.56	16.11
1600	13.75	13.69	13.64	13.39	13.25	13.04	12.94	13.38
1800	11.19	11.13	11.06	10.94	10.78	10.54	10.34	10.74
2000	9.97	9.91	9.84	9.82	9.69	9.46	9.23	9.59
2200	9.51	9.47	9.43	9.49	9.43	9.27	9.10	9.42
2400	9.84	9.83	9.81	9.94	9.94	9.85	9.72	10.03

Typical Performance Data

TEST CONDITIONS: Vd1 = +3V, Vd2 = +5V @ Temperature = -40degC

FREQ	OUTPUT RETURN LOSS @							
	0 dB	0.5 dB	1 dB	2 dB	4 dB	8 dB	16 dB	31.5 dB
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
400	20.50	20.48	20.48	20.69	20.73	20.70	20.51	20.68
500	20.12	20.12	20.14	20.06	20.12	20.30	20.58	20.43
600	16.61	16.61	16.65	16.47	16.54	16.73	17.10	16.89
700	15.13	15.21	15.17	15.01	15.07	15.27	15.65	15.42
800	14.29	14.27	14.34	14.05	14.10	14.29	14.68	14.48
900	13.48	13.49	13.53	13.30	13.33	13.47	13.83	13.71
1000	13.35	13.34	13.37	13.10	13.09	13.17	13.45	13.42
1200	13.69	13.65	13.65	13.35	13.25	13.18	13.28	13.49
1400	13.36	13.31	13.25	12.98	12.86	12.74	12.80	13.15
1600	12.06	11.99	11.94	11.66	11.51	11.30	11.22	11.55
1800	10.09	10.03	9.97	9.82	9.69	9.50	9.34	9.67
2000	9.34	9.28	9.22	9.17	9.06	8.88	8.69	8.99
2200	8.90	8.87	8.83	8.88	8.84	8.73	8.59	8.86
2400	8.99	8.99	8.98	9.09	9.10	9.05	8.95	9.20

Typical Performance Data

TEST CONDITIONS: Vd1 = +3V, Vd2 = +5V @ Temperature = +85degC

FREQ	OUTPUT RETURN LOSS @							
	0 dB	0.5 dB	1 dB	2 dB	4 dB	8 dB	16 dB	31.5 dB
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
400	25.00	25.00	25.00	25.16	25.19	25.19	25.07	25.23
500	19.89	19.94	20.02	19.87	20.02	20.32	20.80	20.54
600	16.93	16.99	17.06	16.94	17.09	17.36	17.78	17.58
700	15.67	15.73	15.80	15.70	15.85	16.10	16.47	16.35
800	15.10	15.16	15.22	15.13	15.24	15.41	15.67	15.64
900	15.08	15.12	15.17	15.10	15.18	15.26	15.39	15.52
1000	15.67	15.70	15.73	15.70	15.73	15.71	15.69	16.02
1200	19.25	19.23	19.17	19.12	18.96	18.56	18.09	19.01
1400	18.88	18.93	18.96	18.70	18.70	18.58	18.52	19.45
1600	15.05	15.04	15.02	14.80	14.70	14.51	14.40	14.94
1800	11.95	11.90	11.83	11.73	11.58	11.31	11.07	11.56
2000	10.60	10.54	10.47	10.47	10.32	10.06	9.80	10.22
2200	10.13	10.09	10.04	10.12	10.04	9.85	9.65	10.02
2400	10.61	10.59	10.57	10.71	10.69	10.57	10.41	10.75