Digital Variable Gain Amplifier DVGA2-33APP+

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)
50	20.56	0.52	1.02	2.01	4.01	8.01	15.99	31.51	31.90	16.51	4.74
60	20.44	0.52	1.02	2.00	4.00	7.99	15.98	31.48	31.91	16.72	4.77
70	20.34	0.52	1.02	2.00	3.99	7.98	15.97	31.47	32.00	17.02	4.99
80	20.28	0.52	1.02	1.99	3.99	7.97	15.96	31.46	31.75	16.96	4.79
90	20.23	0.52	1.02	1.99	3.98	7.97	15.96	31.45	31.57	16.84	4.84
100	20.20	0.52	1.02	1.99	3.98	7.97	15.96	31.44	31.75	17.17	4.77
200	20.02	0.52	1.02	1.98	3.97	7.95	15.94	31.43	31.63	17.09	4.62
300	19.93	0.52	1.01	1.98	3.97	7.95	15.93	31.41	32.12	17.21	4.76
400	19.85	0.52	1.01	1.99	3.98	7.95	15.92	31.40	33.22	17.40	4.72
500	19.76	0.52	1.01	1.99	3.98	7.95	15.91	31.39	31.52	16.78	4.74
600	19.68	0.52	1.01	2.00	3.98	7.95	15.90	31.37	32.23	17.22	4.85
700	19.58	0.52	1.01	2.00	3.99	7.95	15.89	31.35	31.93	17.18	5.07
800	19.46	0.52	1.01	2.01	3.99	7.95	15.88	31.33	32.12	17.32	4.89
900	19.44	0.51	1.01	2.01	3.99	7.95	15.87	31.32	32.17	17.32	4.92
1000	19.38	0.52	1.01	2.02	4.00	7.96	15.88	31.32	30.69	16.84	4.92
1100	19.29	0.52	1.01	2.01	3.99	7.96	15.88	31.30	31.44	17.11	5.07
1200	19.19	0.52	1.01	2.01	3.99	7.96	15.88	31.29	31.64	17.20	5.05
1300	19.08	0.52	1.01	2.01	3.99	7.96	15.88	31.28	31.92	17.75	5.09
1400	18.96	0.52	1.01	2.01	3.99	7.96	15.88	31.27	31.67	17.74	5.12
1500	18.82	0.52	1.01	2.01	3.98	7.96	15.88	31.25	31.99	17.94	5.16
1600	18.69	0.52	1.01	2.01	3.98	7.96	15.89	31.23	32.08	18.19	5.27
1700	18.53	0.52	1.01	2.01	3.98	7.97	15.90	31.23	31.99	18.13	5.26
1800	18.35	0.52	1.02	2.01	3.98	7.97	15.92	31.22	32.13	18.23	5.25
1900	18.13	0.52	1.02	2.01	3.98	7.98	15.93	31.21	31.84	18.16	5.30
2000	17.91	0.53	1.03	2.02	4.00	8.00	15.96	31.24	31.50	18.14	5.29
2200	17.46	0.54	1.05	2.06	4.05	8.09	16.07	31.29	31.12	17.92	5.30
2400	16.99	0.56	1.08	2.12	4.14	8.23	16.25	31.43	30.43	17.39	5.33
2600	16.43	0.57	1.11	2.19	4.25	8.41	16.49	31.59	29.89	16.87	5.28
2800	16.09	0.61	1.17	2.31	4.43	8.71	16.87	31.84	29.67	16.77	5.24
3000	15.74	0.63	1.22	2.41	4.58	8.97	17.21	32.06	29.07	16.24	5.20

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)
50	20.91	0.54	1.05	2.05	4.07	8.12	16.08	31.71	32.21	16.36	4.29
60	20.78	0.54	1.04	2.04	4.05	8.09	16.05	31.69	32.33	16.57	4.35
70	20.69	0.54	1.04	2.03	4.04	8.08	16.04	31.67	32.79	16.87	4.01
80	20.62	0.53	1.04	2.02	4.03	8.07	16.03	31.65	32.17	16.80	3.87
90	20.58	0.53	1.04	2.02	4.03	8.07	16.02	31.64	31.98	16.66	3.78
100	20.54	0.53	1.04	2.02	4.02	8.06	16.02	31.64	32.23	17.01	3.90
200	20.38	0.53	1.04	2.01	4.01	8.05	16.01	31.61	32.25	16.88	3.85
300	20.30	0.53	1.04	2.01	4.01	8.04	15.99	31.59	32.52	17.05	3.91
400	20.23	0.53	1.04	2.01	4.01	8.04	15.99	31.58	33.25	17.34	3.89
500	20.14	0.53	1.04	2.02	4.02	8.04	15.98	31.57	31.91	16.72	3.87
600	20.08	0.53	1.04	2.02	4.02	8.05	15.98	31.55	32.81	17.24	4.03
700	20.00	0.54	1.04	2.03	4.03	8.06	15.97	31.53	32.74	17.24	4.00
800	19.86	0.54	1.04	2.04	4.04	8.07	15.97	31.52	32.74	17.37	4.03
900	19.85	0.54	1.04	2.05	4.05	8.08	15.98	31.52	32.81	17.38	4.12
1000	19.82	0.54	1.04	2.06	4.06	8.09	15.99	31.53	31.40	16.86	4.04
1100	19.74	0.54	1.04	2.06	4.07	8.10	16.00	31.52	32.16	17.18	4.16
1200	19.66	0.54	1.05	2.07	4.07	8.11	16.01	31.53	32.33	17.26	4.15
1300	19.57	0.55	1.05	2.07	4.08	8.13	16.03	31.52	32.70	17.84	4.20
1400	19.46	0.55	1.05	2.07	4.09	8.14	16.04	31.50	32.50	17.88	4.21
1500	19.33	0.55	1.05	2.07	4.08	8.14	16.04	31.47	32.84	18.20	4.25
1600	19.21	0.55	1.05	2.08	4.09	8.15	16.05	31.45	33.02	18.53	4.34
1700	19.09	0.55	1.06	2.08	4.10	8.16	16.07	31.44	32.97	18.51	4.32
1800	18.95	0.55	1.06	2.09	4.10	8.18	16.10	31.42	33.10	18.69	4.32
1900	18.75	0.56	1.07	2.09	4.11	8.19	16.11	31.41	32.82	18.69	4.36
2000	18.55	0.56	1.08	2.10	4.13	8.23	16.16	31.42	32.54	18.71	4.35
2200	18.13	0.57	1.10	2.15	4.19	8.33	16.29	31.46	32.26	18.56	4.36
2400	17.69	0.59	1.13	2.21	4.29	8.50	16.49	31.58	31.51	18.06	4.38
2600	17.22	0.62	1.18	2.30	4.43	8.72	16.77	31.75	31.03	17.68	4.32
2800	16.83	0.66	1.25	2.45	4.66	9.07	17.19	32.02	30.74	17.64	4.26
3000	16.52	0.69	1.31	2.56	4.83	9.36	17.55	32.24	30.12	17.11	4.16

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)
50	20.22	0.51	1.01	2.00	3.99	7.94	15.94	31.33	31.51	16.58	5.40
60	20.09	0.51	1.01	1.99	3.97	7.93	15.93	31.31	31.50	16.80	5.67
70	20.01	0.51	1.01	1.98	3.97	7.92	15.92	31.31	31.81	17.09	5.48
80	19.94	0.51	1.01	1.98	3.96	7.91	15.92	31.29	31.34	17.05	5.41
90	19.90	0.51	1.01	1.98	3.96	7.91	15.92	31.28	30.99	16.94	5.54
100	19.86	0.51	1.01	1.97	3.96	7.91	15.91	31.28	31.50	17.26	5.41
200	19.68	0.51	1.00	1.97	3.95	7.89	15.90	31.26	31.52	17.23	5.33
300	19.59	0.51	1.00	1.97	3.95	7.90	15.89	31.26	32.02	17.29	5.47
400	19.50	0.51	1.00	1.98	3.96	7.90	15.88	31.26	32.45	17.38	5.45
500	19.39	0.51	1.00	1.99	3.96	7.89	15.86	31.23	31.05	16.76	5.45
600	19.31	0.51	0.99	1.99	3.96	7.89	15.85	31.21	31.68	17.17	5.58
700	19.19	0.51	0.99	1.99	3.96	7.88	15.82	31.18	31.27	17.12	5.62
800	19.09	0.51	0.99	1.99	3.96	7.87	15.80	31.15	31.61	17.25	5.63
900	19.04	0.50	0.98	1.99	3.95	7.87	15.79	31.13	31.57	17.26	5.68
1000	18.97	0.50	0.98	1.99	3.95	7.87	15.79	31.13	30.23	16.86	5.70
1100	18.88	0.50	0.98	1.99	3.95	7.86	15.79	31.11	31.04	17.10	5.82
1200	18.77	0.50	0.99	1.98	3.94	7.86	15.78	31.10	31.16	17.19	5.83
1300	18.64	0.51	0.99	1.98	3.93	7.85	15.78	31.09	31.55	17.63	5.83
1400	18.51	0.51	0.99	1.98	3.93	7.86	15.79	31.09	31.23	17.62	5.89
1500	18.36	0.51	0.99	1.97	3.92	7.85	15.79	31.08	31.51	17.76	5.94
1600	18.21	0.51	0.99	1.97	3.92	7.85	15.81	31.08	31.57	17.90	6.00
1700	18.03	0.51	1.00	1.97	3.92	7.85	15.81	31.07	31.41	17.79	6.02
1800	17.83	0.51	1.00	1.97	3.91	7.85	15.81	31.07	31.57	17.80	6.02
1900	17.59	0.51	1.00	1.97	3.91	7.85	15.82	31.07	31.04	17.68	6.07
2000	17.35	0.52	1.00	1.98	3.92	7.86	15.83	31.08	30.71	17.63	6.08
2200	16.87	0.52	1.02	2.01	3.95	7.92	15.91	31.15	30.13	17.35	6.09
2400	16.35	0.53	1.04	2.05	4.02	8.02	16.05	31.28	29.53	16.73	6.13
2600	15.66	0.55	1.07	2.11	4.11	8.17	16.25	31.43	28.94	16.07	6.12
2800	15.39	0.57	1.11	2.22	4.27	8.44	16.60	31.69	28.69	15.92	6.12
3000	15.00	0.60	1.16	2.30	4.40	8.68	16.92	31.90	28.06	15.41	6.04

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)
50	13.19	14.36	15.41	16.13	18.38	21.90	31.52	39.27
60	14.90	16.08	17.19	17.65	19.44	22.40	31.73	39.01
70	16.42	17.62	18.76	18.85	20.26	22.71	31.79	38.84
80	17.84	19.10	20.30	19.91	20.91	22.92	31.63	38.35
90	19.06	20.39	21.59	20.75	21.38	23.07	31.65	38.27
100	20.22	21.56	22.88	21.45	21.69	23.16	31.57	38.04
200	25.66	27.43	28.89	23.46	22.42	23.27	31.24	35.82
300	22.61	23.75	24.71	22.04	21.72	23.01	30.82	33.69
400	19.76	20.69	21.51	20.34	20.73	22.61	30.29	31.83
500	17.64	18.51	19.31	18.85	19.75	22.11	29.59	30.29
600	16.40	17.27	18.02	17.85	19.02	21.73	29.08	29.15
700	15.30	16.15	16.90	16.95	18.32	21.28	28.48	28.04
800	14.41	15.25	16.00	16.17	17.67	20.87	27.83	27.02
900	13.98	14.83	15.57	15.78	17.32	20.60	27.31	26.17
1000	13.62	14.45	15.17	15.41	16.99	20.32	26.71	25.31
1100	13.31	14.12	14.82	15.09	16.67	20.02	26.08	24.45
1200	13.10	13.89	14.57	14.86	16.44	19.78	25.39	23.58
1300	12.92	13.68	14.32	14.64	16.20	19.49	24.56	22.61
1400	12.80	13.52	14.13	14.46	15.99	19.22	23.68	21.65
1500	12.68	13.36	13.92	14.29	15.78	18.92	22.75	20.68
1600	12.38	13.01	13.52	13.97	15.45	18.49	21.78	19.71
1700	12.11	12.69	13.16	13.69	15.16	18.12	20.92	18.83
1800	11.79	12.35	12.78	13.39	14.87	17.76	20.08	17.97
1900	11.25	11.78	12.18	12.90	14.40	17.24	19.15	17.14
2000	10.75	11.27	11.67	12.46	14.01	16.81	18.35	16.38
2200	10.00	10.53	10.90	11.84	13.44	16.07	16.80	14.97
2400	9.57	10.11	10.49	11.52	13.14	15.46	15.43	13.78
2600	9.54	10.11	10.46	11.59	13.17	15.01	14.32	12.82
2800	9.89	10.60	10.96	12.19	13.70	14.83	13.41	12.10
3000	10.84	11.66	11.99	13.30	14.54	14.61	12.66	11.52

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)
50	13.31	14.53	15.72	17.05	20.56	28.29	30.42	26.59
60	15.09	16.34	17.52	18.79	22.12	29.66	30.44	26.68
70	16.66	17.95	19.18	20.30	23.45	30.78	30.67	26.82
80	18.20	19.58	20.82	21.74	24.64	31.64	30.83	26.95
90	19.57	21.00	22.35	22.95	25.55	32.24	30.86	27.04
100	20.95	22.49	23.94	24.13	26.37	32.61	31.00	27.18
200	29.56	33.24	36.77	28.24	27.76	30.98	29.79	26.52
300	24.52	25.42	25.91	25.18	25.88	28.98	26.93	24.51
400	20.90	21.70	22.30	22.63	24.13	27.75	25.93	23.66
500	18.37	19.23	19.96	20.51	22.46	26.60	25.63	23.34
600	16.90	17.76	18.53	19.16	21.25	25.55	25.30	23.02
700	15.46	16.33	17.11	17.79	19.96	24.29	24.88	22.67
800	14.23	15.13	15.92	16.61	18.78	23.05	24.02	21.91
900	13.87	14.76	15.53	16.22	18.36	22.44	23.12	21.06
1000	13.53	14.41	15.18	15.88	18.05	22.13	22.52	20.47
1100	13.12	14.02	14.79	15.51	17.70	21.73	22.08	20.04
1200	12.91	13.82	14.58	15.30	17.50	21.48	21.54	19.52
1300	12.83	13.71	14.49	15.22	17.40	21.35	21.23	19.18
1400	12.63	13.52	14.29	15.01	17.20	21.12	21.08	18.99
1500	12.36	13.23	13.95	14.66	16.76	20.47	20.55	18.51
1600	12.03	12.85	13.52	14.26	16.24	19.70	19.80	17.86
1700	11.79	12.59	13.23	13.96	15.92	19.17	19.20	17.27
1800	11.54	12.32	12.94	13.67	15.56	18.57	18.46	16.63
1900	11.04	11.77	12.34	13.13	14.95	17.75	17.59	15.91
2000	10.57	11.28	11.85	12.67	14.50	17.15	16.90	15.26
2200	9.79	10.49	11.01	11.90	13.64	15.86	15.34	13.90
2400	9.29	10.02	10.52	11.46	13.11	14.83	13.93	12.65
2600	9.16	9.91	10.39	11.36	12.81	13.84	12.59	11.49
2800	9.46	10.40	10.94	11.99	13.30	13.47	11.71	10.74
3000	10.29	11.40	11.96	13.02	13.95	13.14	11.08	10.22

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)
50	12.97	14.01	14.97	15.17	16.46	18.24	22.39	24.60
60	14.60	15.64	16.59	16.39	17.25	18.54	22.48	24.75
70	16.00	17.06	18.03	17.37	17.84	18.77	22.62	24.87
80	17.31	18.35	19.30	18.17	18.27	18.94	22.68	24.90
90	18.40	19.44	20.40	18.81	18.60	19.09	22.80	25.03
100	19.41	20.47	21.39	19.30	18.86	19.18	22.85	25.10
200	23.60	24.55	25.17	20.86	19.58	19.61	23.37	25.69
300	20.92	21.74	22.41	19.59	18.87	19.22	22.99	25.21
400	18.38	19.12	19.77	18.07	17.90	18.60	22.40	24.46
500	16.57	17.29	17.94	16.90	17.12	18.19	22.00	23.92
600	15.49	16.22	16.85	16.13	16.60	17.92	21.84	23.62
700	14.52	15.22	15.87	15.40	16.06	17.59	21.57	23.15
800	13.76	14.46	15.09	14.76	15.54	17.25	21.21	22.61
900	13.36	14.04	14.63	14.40	15.23	17.03	20.97	22.10
1000	13.09	13.75	14.32	14.14	15.00	16.85	20.72	21.58
1100	12.88	13.52	14.05	13.92	14.80	16.70	20.50	21.06
1200	12.80	13.41	13.92	13.83	14.72	16.66	20.36	20.62
1300	12.74	13.33	13.80	13.75	14.65	16.62	20.21	20.13
1400	12.73	13.27	13.71	13.72	14.61	16.60	20.04	19.61
1500	12.71	13.21	13.59	13.69	14.59	16.60	19.84	19.09
1600	12.53	12.98	13.32	13.54	14.47	16.52	19.57	18.55
1700	12.30	12.72	13.04	13.38	14.37	16.51	19.37	18.06
1800	12.08	12.47	12.75	13.22	14.28	16.50	19.14	17.58
1900	11.51	11.89	12.18	12.80	13.96	16.31	18.75	17.05
2000	11.08	11.47	11.75	12.47	13.74	16.21	18.44	16.57
2200	10.26	10.66	10.93	11.88	13.33	15.95	17.58	15.54
2400	9.76	10.18	10.44	11.55	13.09	15.73	16.61	14.59
2600	9.64	10.08	10.33	11.59	13.22	15.70	15.77	13.84
2800	10.02	10.56	10.81	12.19	13.82	15.80	14.93	13.19
3000	10.96	11.58	11.77	13.31	14.82	15.85	14.17	12.68

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)
50	23.57	23.09	23.03	20.36	19.36	18.77	19.49	17.12
60	27.04	26.40	26.32	22.53	21.38	20.62	21.51	18.62
70	30.49	29.52	29.46	24.41	22.96	22.07	23.09	19.69
80	33.69	32.28	32.05	25.80	24.08	23.03	24.25	20.39
90	37.53	35.75	35.26	27.09	25.03	23.89	25.28	21.02
100	41.85	38.94	38.43	27.98	25.78	24.49	26.03	21.43
200	33.72	34.17	34.22	29.06	26.89	25.74	27.66	22.31
300	28.54	28.59	28.76	26.39	25.21	24.56	26.10	21.58
400	25.68	25.69	25.77	24.18	23.39	23.09	24.45	20.58
500	23.34	23.29	23.41	22.06	21.54	21.43	22.58	19.33
600	21.86	21.85	21.91	20.78	20.38	20.42	21.47	18.50
700	20.96	20.91	21.01	19.85	19.52	19.63	20.65	17.83
800	19.76	19.69	19.80	18.71	18.45	18.59	19.59	16.94
900	18.79	18.74	18.86	17.85	17.64	17.88	18.85	16.29
1000	18.12	18.11	18.24	17.26	17.11	17.39	18.35	15.83
1100	17.61	17.63	17.77	16.83	16.73	17.07	18.05	15.53
1200	17.21	17.23	17.40	16.51	16.45	16.86	17.84	15.31
1300	16.76	16.83	17.02	16.23	16.23	16.73	17.75	15.16
1400	16.35	16.45	16.65	15.98	16.04	16.62	17.67	15.03
1500	15.71	15.85	16.05	15.52	15.67	16.34	17.42	14.79
1600	14.95	15.11	15.32	14.91	15.11	15.87	16.93	14.35
1700	14.06	14.23	14.43	14.12	14.35	15.14	16.17	13.74
1800	13.00	13.17	13.37	13.11	13.37	14.15	15.11	12.88
1900	12.14	12.30	12.49	12.26	12.51	13.23	14.08	12.06
2000	11.30	11.46	11.62	11.39	11.61	12.25	12.98	11.17
2200	10.05	10.16	10.28	9.96	10.05	10.48	10.94	9.51
2400	9.36	9.40	9.47	9.00	8.95	9.12	9.36	8.27
2600	9.88	9.84	9.81	9.13	8.89	8.79	8.82	7.98
2800	9.15	8.99	8.88	8.09	7.71	7.40	7.27	6.74
3000	9.45	9.20	9.00	8.09	7.59	7.12	6.87	6.55

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)
50	23.51	22.80	22.42	19.38	18.05	17.08	17.32	15.46
60	27.15	25.91	25.45	21.37	19.77	18.53	18.84	16.64
70	30.58	28.91	28.19	22.90	21.00	19.58	19.91	17.44
80	33.76	31.25	30.33	23.90	21.78	20.25	20.60	17.96
90	37.38	33.73	32.51	24.74	22.39	20.76	21.16	18.35
100	41.16	35.48	33.97	25.20	22.79	21.10	21.51	18.59
200	33.69	33.49	33.00	26.23	23.74	21.99	22.49	19.27
300	28.27	28.79	29.13	26.32	24.17	22.51	23.03	19.66
400	24.70	25.09	25.28	24.35	23.03	21.86	22.38	19.30
500	22.36	22.52	22.64	21.80	20.96	20.22	20.70	18.13
600	20.54	20.65	20.69	20.05	19.44	18.97	19.42	17.18
700	19.39	19.40	19.44	18.72	18.21	17.87	18.32	16.27
800	18.34	18.29	18.32	17.53	17.09	16.82	17.24	15.38
900	17.28	17.26	17.31	16.62	16.25	16.07	16.49	14.69
1000	16.49	16.47	16.52	15.86	15.55	15.42	15.83	14.09
1100	15.75	15.73	15.78	15.16	14.88	14.79	15.20	13.53
1200	15.23	15.23	15.29	14.66	14.39	14.30	14.70	13.05
1300	14.87	14.87	14.91	14.28	14.03	13.99	14.35	12.73
1400	14.51	14.51	14.57	13.97	13.74	13.70	14.06	12.45
1500	13.94	13.95	14.02	13.48	13.29	13.32	13.67	12.10
1600	13.42	13.45	13.51	13.00	12.84	12.87	13.21	11.68
1700	12.90	12.94	13.01	12.54	12.39	12.44	12.76	11.29
1800	12.19	12.24	12.33	11.91	11.80	11.90	12.22	10.81
1900	11.58	11.64	11.72	11.34	11.25	11.36	11.65	10.31
2000	10.90	10.95	11.03	10.67	10.59	10.68	10.94	9.70
2200	9.71	9.75	9.79	9.40	9.29	9.30	9.45	8.43
2400	8.92	8.90	8.89	8.42	8.19	8.07	8.11	7.30
2600	8.97	8.87	8.80	8.15	7.79	7.51	7.43	6.79
2800	8.31	8.11	7.95	7.18	6.70	6.28	6.11	5.67
3000	8.43	8.12	7.90	7.01	6.46	5.94	5.70	5.40

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)
50	23.49	23.25	23.38	20.97	20.48	20.31	21.50	18.70
60	26.80	26.52	26.76	23.48	22.75	22.56	24.07	20.48
70	30.17	29.68	29.89	25.61	24.67	24.39	26.29	21.84
80	33.17	32.61	32.84	27.40	26.30	25.94	28.20	22.91
90	36.81	36.04	36.37	29.24	27.85	27.35	30.24	23.88
100	40.18	39.70	39.48	30.76	29.16	28.61	32.02	24.61
200	32.06	32.76	32.40	31.99	30.72	30.73	35.02	26.06
300	28.22	28.16	28.16	26.41	25.82	26.04	28.10	23.14
400	26.00	25.86	25.97	24.00	23.52	23.84	25.72	21.40
500	24.12	24.03	24.24	22.35	22.07	22.49	24.36	20.31
600	23.04	22.98	23.22	21.47	21.29	21.82	23.67	19.72
700	22.21	22.19	22.42	20.74	20.63	21.22	23.07	19.20
800	21.22	21.22	21.51	19.95	19.94	20.61	22.48	18.69
900	20.61	20.67	20.96	19.52	19.59	20.41	22.34	18.46
1000	20.17	20.31	20.63	19.25	19.42	20.37	22.42	18.37
1100	19.76	19.94	20.28	19.08	19.31	20.45	22.64	18.36
1200	19.35	19.56	19.91	18.86	19.21	20.50	22.81	18.34
1300	18.69	18.96	19.33	18.51	18.96	20.48	22.96	18.30
1400	17.97	18.24	18.61	18.01	18.56	20.23	22.76	18.05
1500	16.98	17.26	17.61	17.22	17.83	19.62	22.09	17.54
1600	15.90	16.18	16.52	16.27	16.91	18.67	20.98	16.76
1700	14.76	15.02	15.33	15.17	15.79	17.43	19.47	15.76
1800	13.49	13.74	14.02	13.90	14.46	15.97	17.73	14.51
1900	12.53	12.75	13.00	12.86	13.36	14.70	16.19	13.38
2000	11.64	11.84	12.07	11.90	12.32	13.48	14.75	12.28
2200	10.36	10.52	10.70	10.39	10.66	11.46	12.30	10.40
2400	9.74	9.85	9.95	9.49	9.57	10.05	10.55	9.10
2600	10.68	10.70	10.73	10.01	9.90	10.00	10.16	9.10
2800	9.84	9.75	9.69	8.89	8.60	8.43	8.35	7.72
3000	10.36	10.17	10.01	9.09	8.67	8.25	7.99	7.66