

Typical Performance Data

FREQ (MHz)	INSERTION LOSS @ Vdd=+5V OVER TEMPERATURE						FREQ (MHz)	ISOLATION @ Vdd=+5V OVER TEMPERATURE											
	RF COM-RF1 (dB)			RF COM-RF2 (dB)				RF COM-RF1 (dB)			RF COM-RF2 (dB)			RF1-RF2 (dB)			RF1-RF2 (dB)		
	STATE 2*			STATE 1*				STATE 1*			STATE 2*			STATE 2*			STATE 1*		
	-55°C	+25°C	+100°C	-55°C	+25°C	+100°C		-55°C	+25°C	+100°C	-55°C	+25°C	+100°C	-55°C	+25°C	+100°C	-55°C	+25°C	+100°C
10	0.543	0.664	0.764	0.505	0.608	0.717	10	78.65	79.40	80.04	71.01	72.05	71.50	72.26	73.10	70.76	79.38	79.49	82.85
50	0.57	0.68	0.78	0.52	0.63	0.74	50	71.14	70.77	71.19	60.85	61.82	62.70	62.36	62.15	64.44	70.16	72.54	70.24
100	0.57	0.69	0.78	0.52	0.63	0.73	100	66.52	66.71	66.68	58.29	59.43	60.03	59.65	60.89	62.01	66.63	67.01	67.35
500	0.58	0.72	0.84	0.51	0.65	0.78	500	64.53	65.39	65.87	58.16	59.47	60.65	56.99	57.28	57.45	60.25	60.64	60.93
1000	0.59	0.74	0.88	0.50	0.67	0.81	1000	65.00	69.59	75.80	59.36	61.85	64.27	51.83	51.97	52.06	55.50	55.30	55.19
1300	0.63	0.80	0.94	0.51	0.70	0.85	1300	54.32	55.96	57.67	58.23	60.80	64.09	49.79	49.79	49.88	53.01	52.06	52.01
1500	0.67	0.86	1.01	0.53	0.73	0.89	1500	50.03	50.40	51.44	57.16	59.50	62.18	49.08	48.99	49.08	55.78	53.25	52.61
1700	0.66	0.86	1.02	0.54	0.75	0.91	1700	49.76	49.50	49.70	55.22	57.33	59.54	48.03	48.16	48.33	73.16	68.00	61.77
2000	0.64	0.85	1.01	0.54	0.76	0.93	2000	51.16	50.26	49.95	52.08	53.90	55.83	46.26	46.69	47.05	53.32	56.36	58.21
2100	0.64	0.84	1.01	0.55	0.77	0.94	2100	51.35	50.36	49.94	50.96	52.80	54.56	45.90	46.33	46.71	51.66	54.40	55.95
2200	0.63	0.84	1.01	0.54	0.76	0.94	2200	50.93	49.88	49.55	49.89	51.65	53.16	45.39	45.91	46.46	50.23	52.68	54.12
2300	0.64	0.85	1.03	0.55	0.77	0.96	2300	50.37	49.39	49.12	48.84	50.54	52.12	45.12	45.70	46.17	49.19	51.45	52.79
2400	0.65	0.86	1.04	0.56	0.78	0.97	2400	49.55	48.74	48.46	47.80	49.32	50.75	45.00	45.64	46.07	48.08	50.18	51.33
2500	0.63	0.85	1.03	0.54	0.77	0.97	2500	48.82	48.11	47.85	46.96	48.38	49.44	44.43	45.28	45.90	47.18	49.08	50.23
2600	0.63	0.85	1.03	0.53	0.77	0.97	2600	48.04	47.59	47.28	45.78	47.15	48.25	44.35	45.02	45.60	46.20	47.83	48.73
2700	0.63	0.85	1.04	0.53	0.77	0.97	2700	47.24	47.13	47.01	44.65	46.18	47.43	43.98	44.42	44.90	44.90	46.28	47.30
2800	0.62	0.85	1.04	0.52	0.77	0.97	2800	46.62	46.70	46.71	44.43	45.58	46.60	43.68	44.22	44.38	44.64	45.77	46.37
2900	0.61	0.84	1.03	0.50	0.76	0.96	2900	46.19	46.61	46.56	43.83	45.15	46.02	42.71	43.26	43.48	43.62	44.87	45.36
3000	0.61	0.85	1.04	0.49	0.76	0.95	3000	46.04	46.70	46.49	43.42	44.76	45.68	41.97	42.43	42.74	42.72	43.99	44.61
3100	0.61	0.84	1.03	0.47	0.74	0.94	3100	45.37	46.09	46.33	43.13	44.46	45.26	41.21	41.72	42.23	41.96	43.19	43.98
3200	0.60	0.83	1.03	0.46	0.73	0.93	3200	44.88	45.80	46.14	42.49	43.80	44.93	41.12	41.62	41.78	41.85	43.08	43.65
3300	0.61	0.84	1.04	0.47	0.73	0.94	3300	44.73	45.74	45.83	42.18	43.33	44.51	40.71	41.31	41.41	41.55	42.87	43.19
3400	0.60	0.84	1.03	0.46	0.73	0.93	3400	43.72	44.72	45.31	41.71	42.92	43.99	40.35	40.90	41.15	40.50	41.75	42.64
3500	0.59	0.83	1.02	0.45	0.72	0.92	3500	43.66	44.87	45.41	41.40	42.59	43.66	39.80	40.36	40.60	40.18	41.38	42.20
3600	0.59	0.83	1.02	0.44	0.71	0.92	3600	42.73	44.03	44.56	40.87	42.11	43.18	39.55	40.12	40.52	39.74	41.00	41.75
3700	0.59	0.83	1.03	0.44	0.71	0.93	3700	42.46	43.79	44.42	40.74	41.95	42.85	39.29	39.88	40.26	39.51	40.74	41.44
3800	0.59	0.83	1.04	0.44	0.72	0.93	3800	42.85	44.03	44.26	40.37	41.59	42.50	38.75	39.44	39.84	38.62	39.71	40.82
3900	0.60	0.85	1.05	0.43	0.72	0.94	3900	41.27	42.88	44.44	40.27	41.54	42.41	38.30	38.78	39.18	38.82	39.93	40.91
4000	0.59	0.84	1.06	0.43	0.73	0.95	4000	41.19	42.94	43.84	39.84	40.98	41.91	38.07	38.70	39.13	38.29	39.46	40.20
4100	0.59	0.85	1.07	0.43	0.73	0.96	4100	40.68	42.31	43.21	39.64	40.75	41.58	37.76	38.40	38.93	37.89	38.91	39.76
4200	0.61	0.87	1.09	0.44	0.75	0.98	4200	39.94	41.78	43.18	39.43	40.55	41.72	37.54	38.16	38.47	37.62	38.66	39.62
4300	0.60	0.87	1.10	0.44	0.75	0.99	4300	39.68	41.35	42.76	39.34	40.37	41.34	37.12	37.90	38.28	37.15	38.18	39.03
4400	0.60	0.88	1.12	0.44	0.76	1.00	4400	39.11	41.01	42.29	38.69	39.90	41.01	37.05	37.69	38.09	36.73	37.63	38.46
4500	0.62	0.89	1.13	0.45	0.77	1.02	4500	38.92	40.84	42.12	38.48	39.62	40.57	36.64	37.31	37.77	36.32	37.30	38.19
4700	0.65	0.93	1.18	0.48	0.82	1.08	4700	37.91	39.92	41.46	37.95	39.09	40.22	36.34	37.08	37.55	35.71	36.52	37.35
5000	0.88	1.19	1.45	0.71	1.09	1.37	5000	37.04	39.09	40.50	37.59	38.98	40.19	35.82	36.43	36.88	34.83	35.39	36.07

*Note

STATE	CONTROL INPUT	RF Com to RF1	RF Com to RF2
1	High	OFF	ON
2	Low	ON	OFF

Typical Performance Data

FREQ (MHz)	RETURN LOSS @ Vdd=+5V OVER TEMPERATURE																	
	RF COM (dB)			RF COM (dB)			RF1 (dB)			RF1 (dB)			RF2 (dB)			RF2 (dB)		
	STATE 2*			STATE 1*			STATE 2*			STATE 1*			STATE 2*			STATE 1*		
	-55°C	+25°C	+100°C	-55°C	+25°C	+100°C	-55°C	+25°C	+100°C	-55°C	+25°C	+100°C	-55°C	+25°C	+100°C	-55°C	+25°C	+100°C
10	26.07	24.10	22.44	23.29	22.69	20.99	26.46	24.31	22.71	0.10	0.11	0.10	0.10	0.10	0.10	26.09	24.19	22.62
50	27.37	24.66	22.80	26.68	24.23	22.54	27.21	24.75	23.06	0.66	0.74	0.82	0.61	0.70	0.78	25.51	24.15	22.60
100	27.70	24.63	22.63	27.51	24.38	22.63	26.72	24.57	23.15	1.91	2.20	2.46	1.83	2.13	2.39	24.78	24.02	22.63
500	24.34	23.53	22.68	23.90	23.21	22.38	25.58	23.72	22.28	12.01	13.20	13.14	11.62	12.75	12.68	25.12	23.32	21.87
1000	25.15	24.57	23.71	26.24	25.43	24.30	22.81	22.09	20.81	17.85	21.73	19.97	17.31	19.86	18.31	21.93	21.25	19.97
1300	25.34	24.56	23.39	26.40	25.85	24.42	22.11	20.78	20.01	19.32	26.57	22.21	19.52	23.37	20.09	20.47	19.61	19.01
1500	25.64	24.59	23.06	25.47	25.32	24.10	21.39	19.91	19.36	20.50	31.13	22.68	21.33	26.10	20.64	19.35	18.60	18.31
1700	24.23	24.14	23.39	22.86	23.50	23.60	19.74	18.82	18.51	21.90	38.34	22.38	23.33	29.01	20.63	17.85	17.39	17.30
2000	22.15	22.54	23.21	21.18	21.59	22.57	18.41	17.47	17.31	22.74	28.73	20.95	25.09	28.93	19.93	16.91	16.23	16.08
2100	21.69	22.66	23.17	20.86	21.79	22.45	17.79	17.29	16.98	22.13	25.92	20.31	24.81	27.39	19.61	16.41	16.14	15.80
2200	22.08	22.53	23.04	21.38	21.73	22.19	17.71	17.07	16.62	21.10	23.75	19.66	23.84	25.77	19.31	16.42	16.00	15.52
2300	20.95	21.43	22.04	20.31	20.80	21.25	17.41	16.87	16.38	19.81	21.96	19.02	22.45	24.20	19.00	16.22	15.88	15.34
2400	19.40	20.08	20.74	18.95	19.56	20.06	16.52	16.25	15.94	18.37	20.45	18.39	20.75	22.80	18.69	15.57	15.39	15.01
2500	20.84	21.58	21.98	20.40	20.99	21.19	16.98	16.49	16.03	17.02	19.17	17.79	19.30	21.60	18.44	15.98	15.61	15.16
2600	20.52	21.32	21.27	20.15	20.97	20.72	17.22	16.81	16.16	15.89	18.07	17.23	17.95	20.56	18.24	16.36	16.03	15.45
2700	20.23	20.71	20.60	20.02	20.50	20.26	17.18	16.70	16.03	14.97	17.12	16.71	16.94	19.67	18.08	16.55	16.07	15.49
2800	20.01	20.13	20.01	19.86	20.05	19.89	17.30	16.72	16.10	14.22	16.31	16.23	16.06	18.86	17.96	16.80	16.22	15.77
2900	20.93	20.94	20.62	21.04	20.99	20.76	17.75	17.04	16.33	13.61	15.60	15.81	15.32	18.14	17.86	17.52	16.57	16.12
3000	20.51	20.17	19.79	21.17	20.47	20.32	17.82	17.19	16.62	13.09	15.02	15.47	14.94	17.56	17.82	18.18	16.96	16.64
3100	21.12	20.74	20.10	22.48	21.36	21.00	18.32	17.78	17.21	12.59	14.50	15.19	14.66	17.08	17.81	18.97	17.67	17.38
3200	21.65	21.20	20.35	23.57	22.28	21.72	19.01	18.71	18.12	12.12	14.06	14.99	14.29	16.66	17.87	19.98	18.92	18.54
3300	20.52	19.97	19.38	22.48	21.23	20.95	18.73	18.71	18.45	11.75	13.72	14.85	13.91	16.34	17.94	20.01	19.35	19.14
3400	21.10	20.26	19.75	23.41	21.83	21.64	19.02	19.08	19.12	11.45	13.42	14.77	13.68	16.13	18.07	20.29	19.92	19.84
3500	21.61	20.85	20.18	24.52	23.10	22.74	19.79	20.23	20.62	11.13	13.20	14.76	13.36	16.03	18.27	21.28	21.54	21.43
3600	21.75	20.86	20.09	25.33	23.83	23.22	20.26	21.15	21.81	10.86	13.03	14.77	13.00	15.95	18.46	22.36	23.08	22.87
3700	21.26	20.12	19.42	24.90	23.17	22.54	20.42	21.32	22.39	10.65	12.92	14.84	12.81	15.96	18.70	23.19	24.03	23.90
3800	21.94	20.74	19.99	27.20	24.92	23.91	21.91	23.20	24.77	10.57	12.88	14.96	12.71	16.01	18.94	26.84	27.10	25.91
3900	21.15	19.84	19.26	26.59	23.90	23.02	22.05	23.39	25.30	10.50	12.88	15.10	12.72	16.09	19.14	28.80	29.37	27.98
4000	20.93	19.75	19.07	26.69	24.10	23.10	22.60	23.99	26.19	10.49	12.90	15.25	12.77	16.20	19.35	32.37	31.60	28.70
4100	21.18	19.88	19.23	28.35	24.86	23.76	23.45	24.79	27.17	10.55	12.99	15.47	12.87	16.30	19.47	31.60	31.54	28.48
4200	19.98	18.94	18.40	25.88	23.50	22.62	23.09	24.37	26.51	10.64	13.10	15.68	12.81	16.37	19.57	36.61	33.69	29.36
4300	20.23	18.88	18.17	26.54	23.69	22.30	23.50	24.30	25.70	10.70	13.23	15.92	12.86	16.43	19.57	34.15	33.13	30.11
4400	19.87	18.69	17.85	25.76	23.53	21.94	23.60	24.31	25.12	10.70	13.35	16.18	12.62	16.44	19.53	34.06	30.99	29.41
4500	18.85	18.24	17.78	23.32	22.60	21.76	22.49	23.55	24.48	10.68	13.49	16.46	12.49	16.38	19.36	30.98	28.76	27.96
4700	17.57	17.39	17.11	20.88	21.13	20.32	21.00	22.62	23.77	10.74	13.68	16.68	12.20	16.18	18.95	31.48	31.21	30.01
5000	16.49	16.70	16.44	19.05	19.60	18.66	19.80	22.04	23.22	10.73	13.62	16.04	12.34	15.79	18.14	23.15	25.15	25.61

*Note:

STATE	CONTROL INPUT	RF Com to RF1	RF Com to RF2
1	High	OFF	ON
2	Low	ON	OFF