

Typical Performance Data

FREQ (MHz)	INSERTION LOSS @ VDD=+5V, VEE =-5V OVER TEMPERATURE						FREQ (MHz)	ISOLATION @ VDD=+5V, VEE =-5V OVER TEMPERATURE											
	RF COM-RF1 (dB) STATE 2*			RF COM-RF2 (dB) STATE 1*				RF COM-RF1 (dB) STATE 1*			RF COM-RF2 (dB) STATE 2*			RF1-RF2 (dB) STATE 2*			RF1-RF2 (dB) 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	0.55	0.40	0.41	0.53	0.39		0.41	10	84.26	78.08	70.53	83.81	69.79	73.26	79.21	68.21	79.51	75.81
50	0.64	0.48	0.48	0.62	0.48	0.48	50	73.82	79.44	79.75	74.09	71.35	71.69	72.20	69.81	72.92	74.28	76.76	75.73
100	0.65	0.49	0.48	0.63	0.49	0.49	100	76.57	73.69	72.28	74.26	72.94	74.65	70.72	72.46	71.76	71.06	71.24	71.08
200	0.66	0.51	0.51	0.64	0.51	0.51	200	69.21	66.57	67.23	70.42	68.30	68.67	65.15	65.63	65.52	64.73	65.20	65.33
400	0.66	0.53	0.53	0.64	0.52	0.53	400	62.37	60.95	60.88	64.15	62.15	62.01	59.54	59.52	59.90	59.33	59.86	59.78
600	0.65	0.53	0.55	0.63	0.53	0.55	600	58.33	57.25	57.15	59.50	58.06	57.92	56.15	56.55	56.34	56.10	56.73	56.32
800	0.64	0.53	0.56	0.62	0.53	0.56	800	55.42	53.87	53.93	56.96	55.41	55.55	53.81	54.01	54.00	53.69	54.28	54.09
1000	0.63	0.53	0.57	0.62	0.53	0.57	1000	53.00	51.89	51.87	54.43	53.10	53.08	51.83	51.92	51.91	51.76	52.00	51.93
1100	0.63	0.53	0.57	0.62	0.54	0.58	1100	51.92	50.89	50.62	53.35	52.00	51.96	50.89	50.95	50.75	50.75	51.01	50.91
1200	0.63	0.53	0.58	0.62	0.54	0.59	1200	51.04	49.99	49.82	52.18	51.09	51.00	50.09	50.05	50.08	49.91	50.27	50.09
1300	0.63	0.54	0.59	0.62	0.55	0.59	1300	49.93	49.02	48.99	51.15	50.10	50.10	49.32	49.46	49.31	49.38	49.54	49.45
1400	0.63	0.54	0.59	0.63	0.55	0.59	1400	49.11	48.17	48.23	50.26	49.24	49.35	48.51	48.64	48.62	48.66	48.85	48.68
1500	0.62	0.54	0.60	0.62	0.55	0.60	1500	48.20	47.37	47.34	49.42	48.53	48.56	47.65	47.83	47.85	47.86	48.02	47.88
1600	0.62	0.55	0.62	0.62	0.56	0.61	1600	47.31	46.52	46.44	48.49	47.55	47.48	46.95	47.08	47.09	47.16	47.30	47.12
1700	0.63	0.56	0.62	0.62	0.56	0.62	1700	46.66	45.84	45.68	47.66	46.84	46.73	46.26	46.37	46.35	46.51	46.70	46.59
1800	0.64	0.57	0.63	0.63	0.57	0.63	1800	46.00	45.16	45.09	46.89	46.17	46.12	45.68	45.90	45.85	45.85	46.06	46.01
1900	0.64	0.57	0.64	0.63	0.58	0.63	1900	45.00	44.38	44.31	45.99	45.37	45.33	44.88	45.14	45.24	45.17	45.47	45.42
2000	0.64	0.58	0.65	0.63	0.59	0.64	2000	44.34	43.72	43.71	45.37	44.72	44.74	44.24	44.67	44.73	44.62	45.00	44.95
2100	0.63	0.58	0.66	0.63	0.59	0.65	2100	43.57	43.09	43.06	44.70	44.23	44.07	43.84	44.21	44.21	44.05	44.50	44.47
2200	0.64	0.58	0.66	0.64	0.59	0.66	2200	43.12	42.50	42.57	44.16	43.63	43.54	43.10	43.56	43.42	43.45	43.99	43.82
2300	0.64	0.59	0.67	0.64	0.59	0.66	2300	42.29	42.00	42.02	43.52	42.98	42.86	42.68	43.02	43.04	42.96	43.41	43.35
2400	0.65	0.60	0.67	0.64	0.60	0.67	2400	41.75	41.27	41.51	42.93	42.56	42.45	42.22	42.78	42.60	42.55	43.25	43.11
2500	0.65	0.60	0.67	0.64	0.60	0.68	2500	41.24	40.84	40.93	42.24	42.00	41.76	41.74	42.30	42.20	42.03	42.57	42.62
2600	0.64	0.60	0.67	0.63	0.60	0.67	2600	40.80	40.44	40.57	41.79	41.54	41.45	41.06	41.72	41.54	41.45	42.14	42.12
2800	0.64	0.61	0.69	0.64	0.61	0.69	2800	39.77	39.58	39.70	40.84	40.88	40.69	40.01	40.82	40.57	40.56	41.40	41.24
3000	0.65	0.62	0.70	0.63	0.62	0.70	3000	39.15	38.91	39.01	39.84	39.70	39.58	39.08	40.02	39.78	39.36	40.41	40.29
3200	0.66	0.64	0.74	0.66	0.65	0.74	3200	38.25	38.19	38.17	38.77	38.99	38.92	38.31	39.24	39.08	38.57	39.71	39.63
3400	0.67	0.67	0.79	0.66	0.66	0.77	3400	37.56	37.35	37.35	38.52	38.46	38.53	36.88	38.13	38.04	37.57	39.10	38.90
3600	0.74	0.74	0.89	0.70	0.72	0.83	3600	36.63	36.59	36.56	38.38	38.10	38.38	35.61	36.72	36.60	36.56	38.02	37.78
3800	0.79	0.82	0.99	0.76	0.80	0.91	3800	36.24	36.34	36.20	37.27	36.72	37.73	34.54	36.04	35.73	35.80	37.00	36.52
4000	0.94	1.00	1.19	0.90	0.95	1.09	4000	35.27	35.36	35.28	37.13	37.35	37.60	33.42	34.63	34.46	35.09	36.70	36.39
4200	1.29	1.34	1.56	1.21	1.24	1.39	4200	35.04	35.41	35.29	37.70	37.80	38.18	32.26	33.65	33.43	33.87	35.55	35.23
4400	1.62	1.66	1.86	1.51	1.50	1.68	4400	34.71	35.37	35.27	37.61	38.63	38.13	30.90	32.22	32.18	32.44	33.91	33.71
4500	1.90	1.90	2.01	1.75	1.72	1.86	4500	34.78	36.21	36.30	37.27	37.90	37.62	31.20	32.59	32.44	31.86	33.12	32.90
5000	1.46	1.49	1.63	1.29	1.36	1.56	5000	32.69	34.11	34.57	33.72	34.75	34.29	29.82	31.10	30.90	29.33	30.61	30.81
5200	1.36	1.39	1.64	1.21	1.28	1.50	5200	31.56	32.68	32.99	32.79	33.47	33.61	29.39	30.88	30.71	28.84	30.34	30.46

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	25.95	28.97	28.49	26.11	29.12	28.38	26.43	29.66	29.63	4.83	3.26	3.27	4.78	3.25	3.27	26.79	29.68	29.61
50	27.70	30.88	30.47	28.07	31.03	30.77	27.22	30.75	30.10	4.89	3.30	3.31	4.82	3.30	3.32	27.37	30.58	30.14
100	27.45	30.65	29.39	27.94	30.53	29.44	26.99	30.36	30.06	4.91	3.32	3.32	4.85	3.32	3.33	27.07	30.22	29.83
200	27.11	30.14	28.74	27.19	30.08	28.94	26.51	29.67	29.89	4.95	3.35	3.34	4.90	3.35	3.36	26.66	29.47	29.41
400	26.58	29.81	28.60	27.30	30.16	29.48	26.17	28.98	29.83	4.88	3.35	3.35	4.86	3.36	3.38	25.66	28.28	28.76
600	27.77	30.83	29.30	27.79	31.00	31.20	25.75	28.58	29.96	4.82	3.31	3.35	4.78	3.34	3.40	25.07	27.39	27.72
800	29.36	32.39	30.72	29.82	31.82	30.55	25.32	27.60	28.69	4.78	3.29	3.32	4.75	3.31	3.38	24.96	26.38	25.86
1000	30.48	34.32	38.48	29.85	31.41	32.37	25.20	26.70	26.56	4.72	3.26	3.32	4.75	3.30	3.37	23.52	25.09	24.75
1100	32.11	34.38	36.01	29.12	30.12	29.93	24.76	25.89	24.37	4.72	3.27	3.38	4.71	3.32	3.43	23.61	24.28	22.93
1200	33.17	32.36	31.76	29.48	28.28	26.90	23.65	24.79	23.26	4.77	3.29	3.41	4.74	3.34	3.47	23.08	23.34	21.68
1300	31.28	30.07	30.50	28.03	26.55	25.77	22.42	23.73	22.96	4.82	3.32	3.41	4.84	3.37	3.45	21.52	22.43	21.43
1400	29.41	28.35	29.77	25.45	25.10	25.78	21.72	22.97	22.43	4.82	3.34	3.43	4.88	3.38	3.42	20.35	21.69	21.69
1500	28.86	27.17	27.64	24.44	24.09	25.63	21.34	22.36	21.21	4.81	3.35	3.50	4.83	3.39	3.44	20.17	21.09	21.44
1600	28.13	26.05	25.21	24.42	23.21	24.25	20.77	21.68	20.12	4.84	3.38	3.58	4.82	3.41	3.51	20.18	20.63	20.52
1700	26.77	24.78	23.99	23.93	22.57	22.72	19.78	20.76	19.49	4.93	3.43	3.63	4.90	3.43	3.56	19.44	20.09	19.65
1800	25.11	23.42	23.29	22.80	21.84	21.96	18.91	19.79	19.12	5.03	3.49	3.65	4.98	3.47	3.55	18.51	19.47	19.22
1900	23.89	22.33	22.53	21.76	21.13	21.71	18.36	19.01	18.66	5.06	3.54	3.66	4.96	3.49	3.52	18.09	18.85	19.09
2000	23.33	21.78	21.72	21.33	20.59	21.60	18.08	18.67	18.13	5.08	3.55	3.69	4.91	3.50	3.51	18.05	18.46	18.95
2100	22.77	21.53	20.96	20.94	20.29	21.09	17.82	18.51	17.66	5.07	3.54	3.70	4.91	3.47	3.52	17.78	18.21	18.55
2200	22.29	21.43	20.76	20.57	20.24	20.67	17.54	18.39	17.44	5.06	3.53	3.69	4.87	3.44	3.52	17.44	18.24	18.21
2300	21.71	21.10	20.83	20.42	20.36	20.63	17.21	18.08	17.40	5.05	3.54	3.66	4.78	3.39	3.51	17.36	18.31	18.07
2400	21.11	20.70	21.00	20.56	20.56	21.07	16.84	17.73	17.52	5.05	3.55	3.61	4.68	3.36	3.48	17.67	18.50	18.28
2500	20.73	20.44	21.24	20.85	21.00	21.66	16.57	17.51	17.82	5.02	3.54	3.54	4.63	3.32	3.42	17.94	18.79	18.72
2600	20.82	20.55	21.77	21.17	21.42	22.39	16.66	17.67	18.33	4.92	3.47	3.48	4.61	3.27	3.35	17.89	19.01	19.34
2800	21.69	21.30	23.01	22.12	22.48	23.60	17.41	18.28	19.12	4.68	3.35	3.40	4.43	3.21	3.33	18.40	19.87	20.35
3000	21.58	21.31	23.62	23.50	23.67	24.66	17.31	18.40	20.41	4.64	3.30	3.26	4.31	3.17	3.31	19.51	20.76	20.94
3200	22.04	21.59	22.85	24.37	24.53	25.34	17.62	18.68	19.95	4.47	3.21	3.28	4.29	3.13	3.23	19.67	21.31	21.80
3400	21.90	21.43	21.14	24.43	24.44	24.22	17.98	18.78	18.60	4.36	3.15	3.33	4.17	3.07	3.26	20.04	21.26	20.72
3600	20.84	20.52	19.58	23.58	22.88	23.07	17.07	17.82	17.07	4.40	3.17	3.36	4.13	3.09	3.27	19.50	19.82	19.40
3800	20.52	20.25	18.33	21.71	21.68	21.99	16.98	17.22	15.02	4.31	3.15	3.61	4.30	3.16	3.28	17.79	18.24	18.36
4000	20.18	19.68	18.50	21.79	21.20	21.66	15.68	15.50	14.04	4.32	3.18	3.62	4.25	3.23	3.48	17.12	16.71	16.08
4200	21.56	21.35	20.59	23.85	23.87	25.10	13.87	13.75	12.60	4.44	3.27	3.73	4.35	3.25	3.40	15.08	15.32	15.35
4400	23.83	22.78	23.13	25.39	25.94	26.35	12.98	12.49	11.98	4.32	3.29	3.78	4.38	3.28	3.44	13.98	14.23	13.84
4500	27.09	23.52	24.08	40.26	29.18	24.75	11.96	11.74	12.28	4.38	3.31	3.63	4.23	3.31	3.56	13.99	13.66	13.15
5000	12.89	12.62	13.15	15.44	14.74	14.05	10.81	10.78	12.17	4.59	3.53	3.42	4.06	3.22	3.47	14.79	13.88	13.08
5200	11.52	11.09	11.12	13.57	13.17	13.06	10.53	10.43	10.58	4.85	3.66	3.44	4.16	3.27	3.54	13.61	13.66	13.51

*Note:

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