

Typical Performance Data

FREQ (MHz)	INSERTION LOSS @ Vdd=+3V OVER TEMPERATURE						FREQ (MHz)	ISOLATION @ Vdd=+3V OVER TEMPERATURE														
	RF COM-RF1 (dB) STATE 3*			RF COM-RF2 (dB) STATE 2*				RF COM-RF1 (dB) STATE 2*			RF COM-RF2 (dB) STATE 3*			RF1-RF2 (dB) STATE 3*			RF1-RF2 (dB) STATE 2*			RF1-RF2 (dB) STATE 1*		
	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C
0.03	0.61	0.68	0.80	0.61	0.69	0.78	0.03	89.73	94.01	100.85	93.46	101.47	99.91	93.00	88.02	100.88	100.32	92.21	92.62	90.14	87.58	91.27
0.10	0.61	0.68	0.78	0.60	0.68	0.76	0.10	106.25	101.43	105.63	99.29	107.24	103.32	110.07	104.50	107.04	113.47	102.37	108.68	104.08	119.07	100.94
1.00	0.60	0.67	0.76	0.59	0.67	0.75	1.00	109.64	114.25	109.23	112.10	105.73	104.43	104.60	112.14	121.37	111.33	112.84	109.36	116.24	110.61	107.42
10.00	0.60	0.68	0.77	0.59	0.67	0.76	10.00	113.35	108.84	134.49	103.90	109.75	106.29	107.86	109.10	112.58	106.46	105.94	104.85	115.81	110.37	110.14
50.00	0.62	0.71	0.80	0.62	0.70	0.79	50.00	102.32	99.37	96.65	101.37	106.77	94.03	92.39	90.95	94.49	92.31	90.63	94.88	104.92	99.71	98.63
100.00	0.64	0.72	0.81	0.63	0.71	0.79	100.00	99.69	94.35	96.18	94.02	90.73	92.32	88.66	87.66	87.46	86.19	86.60	85.85	94.36	93.16	91.40
200.00	0.65	0.73	0.82	0.64	0.73	0.81	200.00	93.61	89.60	88.36	87.69	87.52	86.64	82.62	81.77	81.66	81.30	80.38	81.51	87.19	90.04	89.44
300.00	0.65	0.75	0.85	0.64	0.74	0.83	300.00	89.53	88.29	87.34	84.28	84.66	82.54	77.91	77.55	78.19	77.05	78.19	77.96	85.15	85.50	86.12
400.00	0.66	0.77	0.89	0.65	0.76	0.87	400.00	82.90	85.26	82.96	79.98	80.46	80.05	75.67	75.73	75.79	75.23	75.41	75.28	83.89	83.86	84.05
500.00	0.68	0.80	0.92	0.67	0.79	0.90	500.00	81.78	81.21	80.94	77.50	77.67	76.37	74.07	73.81	73.98	73.45	73.58	73.95	81.29	81.51	82.63
600.00	0.69	0.82	0.95	0.68	0.81	0.93	600.00	79.22	78.85	79.08	74.77	74.31	73.68	72.55	72.43	72.83	72.05	72.07	71.98	81.19	80.26	80.70
700.00	0.70	0.84	0.98	0.70	0.83	0.95	700.00	76.12	76.18	76.35	71.70	71.79	71.78	71.28	71.15	71.59	71.21	71.18	71.26	78.83	78.72	80.51
800.00	0.72	0.86	1.00	0.72	0.85	0.98	800.00	73.76	73.58	73.70	70.03	69.92	69.57	70.45	70.85	71.12	69.81	70.37	70.47	77.54	79.16	78.74
900.00	0.73	0.88	1.02	0.72	0.86	1.00	900.00	71.26	71.17	71.07	67.73	68.01	67.65	70.03	70.49	70.41	69.43	69.49	69.94	78.13	78.49	78.43
1000.00	0.76	0.91	1.07	0.75	0.90	1.04	1000.00	69.48	69.66	69.12	65.78	65.81	65.73	69.33	69.68	69.78	68.19	68.84	68.76	77.64	77.39	77.80
1100.00	0.78	0.94	1.11	0.77	0.93	1.09	1100.00	68.21	68.35	67.87	64.16	64.10	64.04	68.75	69.07	69.28	67.83	68.24	68.57	77.80	77.32	78.78
1200.00	0.81	0.98	1.15	0.80	0.97	1.12	1200.00	66.69	66.83	66.51	62.83	62.69	62.62	68.01	68.08	68.92	67.80	68.14	68.25	77.14	77.36	77.25
1300.00	0.82	1.00	1.18	0.82	0.99	1.15	1300.00	65.76	65.65	65.16	61.74	61.69	61.66	67.11	67.00	67.35	67.46	67.33	67.91	76.91	75.76	76.76
1400.00	0.84	1.03	1.21	0.84	1.01	1.18	1400.00	64.40	64.14	63.86	61.36	61.56	61.62	65.07	65.05	65.05	66.42	66.17	66.52	75.18	74.95	74.56
1500.00	0.87	1.06	1.24	0.87	1.05	1.22	1500.00	61.59	60.71	60.46	61.42	59.62	58.91	61.63	63.31	64.96	62.47	63.48	64.99	70.83	72.79	74.47
1600.00	0.91	1.11	1.29	0.90	1.09	1.26	1600.00	59.58	59.41	59.28	56.88	56.67	56.69	66.55	67.22	67.89	66.67	66.78	67.55	76.70	77.74	79.72
1700.00	0.92	1.13	1.31	0.91	1.10	1.28	1700.00	58.48	58.28	58.08	55.68	55.47	55.49	67.12	67.35	67.58	66.88	66.67	66.66	79.33	81.15	83.63
1800.00	0.95	1.16	1.34	0.93	1.13	1.31	1800.00	57.32	57.15	56.97	54.60	54.42	54.26	66.34	66.15	65.97	66.65	65.81	65.40	82.17	83.90	81.35
1900.00	0.94	1.15	1.34	0.93	1.13	1.31	1900.00	56.04	55.88	55.57	53.48	53.36	53.16	65.79	65.23	64.69	65.79	64.47	63.78	86.88	83.49	80.56
2000.00	0.96	1.17	1.36	0.94	1.15	1.32	2000.00	54.88	54.64	54.35	52.41	52.26	52.13	64.38	63.66	63.25	64.16	62.71	61.91	83.60	80.23	78.75
2100.00	0.95	1.17	1.36	0.94	1.14	1.32	2100.00	53.64	53.31	53.07	51.34	51.15	51.07	62.96	61.91	61.44	62.44	60.79	60.29	79.76	77.12	74.85
2200.00	0.97	1.19	1.37	0.95	1.16	1.34	2200.00	52.37	52.10	51.80	50.31	50.10	49.98	61.27	60.19	59.52	60.35	58.86	58.25	74.76	73.74	72.04
2300.00	0.96	1.18	1.37	0.95	1.16	1.34	2300.00	51.17	50.90	50.63	49.28	49.11	48.97	59.53	58.44	57.69	58.27	57.01	56.35	71.07	70.28	68.84
2400.00	0.97	1.20	1.40	0.96	1.17	1.36	2400.00	50.07	49.63	49.43	48.31	48.08	47.96	57.80	56.76	56.11	56.13	55.08	54.43	68.09	67.22	66.60
2500.00	0.96	1.19	1.39	0.95	1.17	1.36	2500.00	48.82	48.46	48.21	47.26	47.07	46.86	55.89	55.01	54.26	53.98	52.89	52.33	65.29	64.56	63.97
2600.00	0.98	1.21	1.42	0.97	1.19	1.38	2600.00	47.66	47.25	46.93	46.16	45.95	45.77	54.01	53.03	52.45	51.67	50.68	50.19	62.69	61.95	61.37
2700.00	1.00	1.24	1.45	0.98	1.21	1.42	2700.00	46.58	46.14	45.97	44.95	44.73	44.56	51.94	50.98	50.54	49.00	48.24	47.90	59.78	59.23	58.82
2800.00	1.05	1.30	1.52	1.04	1.27	1.48	2800.00	45.88	45.41	45.02	43.72	43.52	43.38	49.69	48.93	48.40	46.55	45.91	45.66	57.35	56.84	56.44
2900.00	1.08	1.34	1.57	1.07	1.31	1.52	2900.00	45.19	44.89	44.35	42.63	42.35	42.23	47.69	46.98	46.45	44.84	44.31	43.96	55.28	54.83	54.24
3000.00	1.11	1.38	1.61	1.11	1.36	1.59	3000.00	43.67	43.27	43.02	41.18	41.07	40.98	45.48	44.91	44.62	43.31	42.77	42.54	52.78	52.28	51.85

*Note:

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

Typical Performance Data

FREQ (MHZ)	VSWR @ Vdd=+3V OVER TEMPERATURE																												
	RF COM (-1)			RF COM (-1)			RF1 (-1)			RF1 (-1)			RF2 (-1)			RF2 (-1)			RF COM (-1)			RF1 (-1)			RF2 (-1)				
	STATE 3*			STATE 2*			STATE 3*			STATE 2*			STATE 3*			STATE 2*			STATE 1*			STATE 1*			STATE 1*				
	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C
0.03	1.16	1.17	1.21	1.16	1.17	1.21	1.16	1.18	1.21	1.35	1.40	1.46	1.34	1.40	1.45	1.16	1.18	1.20	1.35	1.39	1.45	1.35	1.40	1.46	1.34	1.40	1.45		
0.10	1.15	1.17	1.20	1.15	1.17	1.20	1.15	1.17	1.20	1.34	1.39	1.45	1.34	1.39	1.44	1.15	1.17	1.20	1.34	1.39	1.45	1.34	1.39	1.45	1.34	1.39	1.44		
1.00	1.15	1.17	1.20	1.15	1.17	1.20	1.15	1.17	1.20	1.34	1.39	1.45	1.34	1.39	1.44	1.15	1.17	1.19	1.34	1.39	1.44	1.34	1.39	1.45	1.34	1.39	1.44		
10.00	1.15	1.17	1.20	1.15	1.17	1.20	1.15	1.17	1.20	1.34	1.39	1.44	1.34	1.39	1.44	1.15	1.17	1.19	1.34	1.39	1.44	1.34	1.39	1.44	1.34	1.39	1.44		
50.00	1.15	1.17	1.19	1.16	1.17	1.20	1.15	1.17	1.19	1.34	1.39	1.44	1.34	1.38	1.43	1.15	1.17	1.19	1.34	1.38	1.43	1.34	1.39	1.44	1.33	1.38	1.43		
100.00	1.15	1.17	1.19	1.16	1.17	1.19	1.16	1.17	1.19	1.35	1.39	1.43	1.34	1.38	1.42	1.15	1.17	1.19	1.35	1.38	1.42	1.35	1.39	1.43	1.34	1.38	1.42		
200.00	1.16	1.17	1.19	1.17	1.17	1.18	1.16	1.18	1.20	1.36	1.39	1.42	1.35	1.38	1.41	1.15	1.18	1.19	1.36	1.38	1.41	1.36	1.39	1.42	1.35	1.38	1.41		
300.00	1.15	1.17	1.19	1.16	1.17	1.18	1.16	1.19	1.22	1.36	1.40	1.43	1.35	1.39	1.42	1.16	1.19	1.21	1.35	1.38	1.41	1.36	1.40	1.43	1.35	1.39	1.42		
400.00	1.15	1.17	1.20	1.15	1.18	1.20	1.16	1.20	1.24	1.35	1.40	1.44	1.34	1.39	1.43	1.16	1.19	1.23	1.34	1.38	1.42	1.35	1.40	1.44	1.34	1.39	1.44		
500.00	1.15	1.18	1.21	1.15	1.18	1.20	1.18	1.21	1.25	1.35	1.41	1.46	1.34	1.40	1.45	1.17	1.21	1.25	1.33	1.38	1.43	1.35	1.41	1.46	1.33	1.40	1.45		
600.00	1.16	1.18	1.21	1.15	1.18	1.21	1.19	1.23	1.27	1.36	1.42	1.48	1.35	1.41	1.47	1.19	1.22	1.27	1.34	1.39	1.44	1.36	1.42	1.48	1.35	1.41	1.47		
700.00	1.16	1.18	1.21	1.16	1.18	1.21	1.21	1.24	1.29	1.37	1.43	1.49	1.37	1.42	1.48	1.22	1.24	1.29	1.34	1.39	1.44	1.37	1.43	1.49	1.37	1.42	1.48		
800.00	1.16	1.18	1.21	1.16	1.18	1.21	1.23	1.26	1.31	1.39	1.44	1.51	1.39	1.43	1.49	1.24	1.26	1.31	1.34	1.39	1.44	1.39	1.44	1.51	1.38	1.43	1.49		
900.00	1.17	1.19	1.22	1.17	1.19	1.22	1.25	1.28	1.33	1.41	1.46	1.53	1.40	1.45	1.51	1.25	1.28	1.33	1.35	1.40	1.45	1.41	1.46	1.53	1.40	1.45	1.52		
1000.00	1.16	1.19	1.22	1.17	1.19	1.22	1.25	1.29	1.35	1.42	1.47	1.55	1.41	1.46	1.53	1.25	1.29	1.34	1.36	1.40	1.46	1.42	1.47	1.55	1.41	1.46	1.54		
1100.00	1.17	1.20	1.23	1.17	1.20	1.23	1.26	1.30	1.36	1.43	1.49	1.57	1.42	1.48	1.55	1.26	1.31	1.35	1.36	1.41	1.47	1.43	1.49	1.57	1.42	1.48	1.55		
1200.00	1.17	1.20	1.23	1.18	1.20	1.23	1.27	1.32	1.37	1.44	1.50	1.58	1.44	1.49	1.57	1.28	1.32	1.36	1.36	1.41	1.48	1.44	1.50	1.58	1.43	1.49	1.57		
1300.00	1.17	1.20	1.23	1.18	1.20	1.23	1.28	1.33	1.38	1.45	1.52	1.60	1.45	1.51	1.59	1.28	1.33	1.37	1.37	1.42	1.49	1.45	1.52	1.60	1.45	1.51	1.59		
1400.00	1.17	1.20	1.22	1.18	1.20	1.23	1.28	1.34	1.39	1.46	1.53	1.62	1.46	1.53	1.61	1.29	1.34	1.38	1.38	1.43	1.50	1.46	1.53	1.62	1.46	1.53	1.61		
1500.00	1.18	1.21	1.22	1.18	1.21	1.23	1.29	1.35	1.40	1.47	1.55	1.64	1.47	1.55	1.62	1.30	1.35	1.39	1.38	1.44	1.51	1.47	1.55	1.64	1.47	1.55	1.62		
1600.00	1.19	1.21	1.22	1.19	1.21	1.23	1.30	1.36	1.40	1.48	1.57	1.66	1.49	1.56	1.64	1.30	1.36	1.39	1.39	1.45	1.52	1.49	1.57	1.66	1.48	1.56	1.64		
1700.00	1.20	1.22	1.22	1.19	1.21	1.23	1.31	1.37	1.40	1.50	1.59	1.68	1.50	1.58	1.66	1.30	1.36	1.39	1.41	1.46	1.54	1.51	1.59	1.68	1.50	1.58	1.66		
1800.00	1.19	1.22	1.22	1.19	1.21	1.22	1.31	1.37	1.40	1.52	1.60	1.69	1.51	1.59	1.67	1.30	1.36	1.39	1.41	1.47	1.54	1.52	1.60	1.69	1.51	1.59	1.67		
1900.00	1.19	1.22	1.22	1.19	1.21	1.22	1.31	1.36	1.39	1.53	1.62	1.71	1.52	1.60	1.68	1.30	1.35	1.38	1.42	1.49	1.56	1.53	1.62	1.71	1.52	1.60	1.68		
2000.00	1.19	1.21	1.21	1.19	1.21	1.22	1.31	1.36	1.38	1.55	1.64	1.72	1.53	1.62	1.69	1.29	1.34	1.37	1.43	1.50	1.57	1.55	1.64	1.72	1.53	1.61	1.69		
2100.00	1.19	1.21	1.21	1.19	1.22	1.22	1.31	1.35	1.37	1.57	1.65	1.74	1.55	1.63	1.71	1.29	1.33	1.36	1.44	1.52	1.58	1.57	1.65	1.73	1.55	1.63	1.71		
2200.00	1.19	1.22	1.21	1.19	1.22	1.23	1.30	1.34	1.36	1.59	1.67	1.75	1.56	1.64	1.71	1.28	1.32	1.35	1.45	1.53	1.60	1.59	1.67	1.75	1.56	1.64	1.72		
2300.00	1.19	1.22	1.22	1.19	1.23	1.23	1.29	1.33	1.34	1.60	1.68	1.75	1.57	1.65	1.72	1.28	1.31	1.33	1.46	1.55	1.62	1.60	1.68	1.75	1.57	1.65	1.72		
2400.00	1.20	1.22	1.22	1.20	1.23	1.24	1.29	1.31	1.32	1.61	1.69	1.76	1.58	1.65	1.72	1.27	1.29	1.31	1.48	1.57	1.63	1.61	1.69	1.76	1.58	1.65	1.73		
2500.00	1.20	1.22	1.22	1.21	1.23	1.24	1.28	1.29	1.30	1.62	1.69	1.76	1.58	1.65	1.72	1.26	1.27	1.29	1.49	1.58	1.64	1.62	1.69	1.76	1.58	1.65	1.73		
2600.00	1.20	1.22	1.22	1.21	1.24	1.25	1.26	1.27	1.27	1.64	1.70	1.76	1.59	1.66	1.72	1.24	1.25	1.26	1.50	1.60	1.66	1.64	1.70	1.76	1.59	1.66	1.73		
2700.00	1.20	1.22	1.23	1.22	1.25	1.26	1.24	1.24	1.24	1.65	1.70	1.76	1.60	1.66	1.72	1.22	1.22	1.23	1.52	1.61	1.68	1.65	1.70	1.76	1.60	1.66	1.72		
2800.00	1.20	1.23	1.24	1.23	1.26	1.28	1.21	1.21	1.21	1.66	1.70	1.76	1.61	1.66	1.72	1.19	1.19	1.19	1.54	1.64	1.70	1.66	1.70	1.76	1.61	1.66	1.72		
2900.00	1.20	1.24	1.26	1.25	1.28	1.30	1.18	1.17	1.17	1.67	1.70	1.75	1.62	1.66	1.71	1.17	1.16	1.16	1.57	1.66	1.72	1.68	1.70	1.75	1.62	1.66	1.71		
3000.00	1.22	1.26	1.28	1.28	1.30	1.32	1.16	1.15	1.14	1.68	1.70	1.74	1.62	1.65	1.70	1.14	1.13	1.12	1.59	1.69	1.75	1.68	1.70	1.74	1.62	1.65	1.70		

*Note:

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

Typical Performance Data

FREQ (MHz)	INPUT IP3 @ Vdd=+3V OVER TEMPERATURE						FREQ (MHz)	INPUT 1dB COMPRESSION @ Vdd=+3V OVER TEMPERATURE					
	RF COM-RF1 (dBm)			RF COM-RF2 (dBm)				RF COM-RF1 (dBm)			RF COM-RF2 (dBm)		
	STATE 3*			STATE 2*				STATE 3*			STATE 2*		
	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C
10.00	52.29	51.92	51.86	51.85	52.10	51.27	1.00	30.30	29.92	29.41	30.29	29.89	29.40
20.00	55.02	54.32	54.44	54.43	54.68	53.27	5.00	30.96	30.36	29.90	30.96	30.32	29.87
50.00	59.68	58.12	57.24	59.05	57.55	57.90	10.00	31.02	30.48	30.02	31.02	30.46	29.96
100.00	59.17	58.26	57.62	59.60	58.53	57.76	20.00	30.94	30.33	29.83	30.91	30.27	29.79
200.00	63.93	62.03	58.83	63.47	61.55	58.94	50.00	31.02	30.33	29.56	31.00	30.17	29.80
300.00	60.49	60.70	58.12	60.94	60.23	58.08	100.00	30.89	30.16	29.62	30.85	30.12	29.61
400.00	57.13	56.77	55.27	57.49	56.87	55.26	150.00	30.62	30.21	29.36	30.66	29.80	29.40
500.00	54.98	54.58	53.45	55.09	54.51	53.32	200.00	30.72	30.10	29.55	30.70	30.02	29.62
600.00	54.80	55.61	54.42	54.94	55.81	54.25	250.00	30.85	30.14	29.63	30.85	29.98	29.62
700.00	52.66	52.64	51.94	52.69	52.68	51.87	300.00	30.72	30.11	29.53	30.69	29.88	29.53
800.00	52.13	52.01	51.22	52.15	51.98	51.20	350.00	30.68	30.15	29.53	30.66	30.02	29.61
900.00	53.05	52.76	51.65	53.06	52.58	51.58	400.00	30.42	30.09	29.27	30.44	29.70	29.62
1000.00	55.07	54.15	52.62	54.91	54.18	52.53	450.00	30.63	30.05	29.50	30.58	29.83	29.53
1200.00	56.44	57.85	55.43	56.67	58.23	55.28	500.00	30.71	30.10	29.57	30.69	29.88	29.61
1400.00	54.28	55.67	54.72	54.25	55.93	54.79	550.00	30.84	30.21	29.84	30.87	30.27	29.81
1600.00	55.21	56.94	55.24	55.39	57.32	55.03	600.00	30.79	30.17	29.78	30.81	30.20	29.75
1800.00	55.65	56.57	53.93	55.83	56.49	53.71	650.00	30.94	30.30	29.93	30.96	30.36	29.91
2000.00	54.06	54.90	53.00	53.98	54.79	52.91	700.00	30.44	29.85	29.46	30.48	29.87	29.43
2200.00	57.08	59.19	53.82	55.97	56.90	53.97	750.00	30.75	30.14	29.76	30.77	30.21	29.75
2400.00	53.50	55.18	53.30	53.68	55.65	53.29	800.00	30.50	29.89	29.52	30.51	29.92	29.51
2600.00	53.60	54.85	52.53	53.99	54.96	52.42	850.00	30.12	29.51	29.19	30.15	29.57	29.16
2800.00	52.99	54.12	52.09	53.18	54.08	52.02	900.00	30.67	30.07	29.77	30.71	30.15	29.78
3000.00	53.25	55.36	52.90	53.44	55.92	52.82	950.00	31.28	30.73	30.40	31.34	30.78	30.39
							1000.00	30.21	29.65	29.33	30.28	29.71	29.33

*Note:

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