

## Typical Performance Data

RF FREQ (MHz)	INSERTION LOSS @ Vctl=+3V OVER TEMPERATURE						RF FREQ (MHz)	ISOLATION @ Vctl=+3V OVER TEMPERATURE											
	RF COM-RF1 (dB)			RF COM-RF2 (dB)				RF COM-RF1 (dB)			RF COM-RF2 (dB)			RF1-RF2 (dB)			RF1-RF2 (dB)		
														ON1			ON2		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C		-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
5.0	0.28	0.32	0.35	0.27	0.31	0.34	5.0	49.67	50.02	50.18	49.67	50.05	50.18	50.04	50.34	50.57	49.91	50.40	50.64
7.0	0.29	0.33	0.37	0.28	0.32	0.36	7.0	48.42	48.89	49.16	48.52	49.05	49.18	48.91	49.49	49.71	48.83	49.39	49.71
10.0	0.30	0.34	0.38	0.29	0.33	0.37	10.0	46.29	47.19	47.65	46.33	47.13	47.62	46.83	47.61	48.16	46.70	47.69	48.22
50.0	0.30	0.35	0.39	0.30	0.35	0.40	50.0	41.27	42.16	42.73	41.36	42.19	42.78	41.79	42.71	43.36	41.68	42.65	43.32
100.0	0.30	0.36	0.40	0.30	0.36	0.40	100.0	39.03	39.83	40.35	39.09	39.84	40.38	39.49	40.33	40.93	39.44	40.29	40.90
200.0	0.30	0.36	0.41	0.30	0.36	0.41	200.0	36.43	37.11	37.42	36.54	37.12	37.44	36.90	37.58	37.93	36.77	37.52	37.91
300.0	0.30	0.37	0.42	0.29	0.36	0.42	300.0	34.60	35.07	35.17	34.62	35.05	35.13	35.01	35.47	35.64	34.90	35.44	35.63
400.0	0.30	0.37	0.43	0.29	0.37	0.43	400.0	33.00	33.33	33.30	32.97	33.27	33.24	33.37	33.68	33.73	33.28	33.67	33.70
500.0	0.30	0.38	0.45	0.29	0.38	0.44	500.0	31.64	31.81	31.74	31.61	31.76	31.68	31.95	32.16	32.14	31.92	32.13	32.10
600.0	0.32	0.40	0.47	0.29	0.38	0.45	600.0	30.47	30.50	30.42	30.41	30.44	30.34	30.69	30.81	30.76	30.73	30.80	30.76
700.0	0.30	0.40	0.48	0.29	0.39	0.47	700.0	29.33	29.34	29.22	29.28	29.29	29.16	29.56	29.65	29.58	29.60	29.66	29.60
800.0	0.30	0.41	0.48	0.29	0.40	0.47	800.0	28.29	28.35	28.21	28.23	28.28	28.14	28.55	28.65	28.55	28.55	28.66	28.58
900.0	0.34	0.43	0.50	0.32	0.42	0.49	900.0	27.44	27.48	27.34	27.38	27.42	27.27	27.73	27.79	27.69	27.71	27.81	27.71
1000.0	0.33	0.44	0.52	0.31	0.43	0.51	1000.0	26.66	26.67	26.54	26.60	26.61	26.49	26.93	26.99	26.90	26.98	27.03	26.95
1100.0	0.34	0.45	0.54	0.32	0.44	0.53	1100.0	25.95	25.94	25.83	25.87	25.87	25.76	26.19	26.25	26.17	26.27	26.36	26.26
1200.0	0.34	0.46	0.55	0.33	0.45	0.54	1200.0	25.22	25.23	25.11	25.22	25.27	25.12	25.55	25.64	25.53	25.61	25.66	25.56
1300.0	0.35	0.47	0.57	0.33	0.46	0.56	1300.0	24.74	24.71	24.60	24.71	24.70	24.58	25.02	25.07	25.00	25.08	25.11	25.04
1400.0	0.36	0.49	0.58	0.34	0.48	0.57	1400.0	24.23	24.19	24.08	24.19	24.17	24.05	24.48	24.55	24.47	24.59	24.60	24.54
1500.0	0.37	0.50	0.60	0.36	0.49	0.58	1500.0	23.71	23.71	23.60	23.67	23.69	23.57	24.01	24.09	24.00	24.09	24.13	24.05
1600.0	0.38	0.52	0.62	0.36	0.50	0.60	1600.0	23.24	23.28	23.15	23.17	23.25	23.08	23.56	23.65	23.53	23.60	23.69	23.61
1700.0	0.39	0.52	0.63	0.36	0.51	0.61	1700.0	22.83	22.86	22.73	22.78	22.83	22.69	23.22	23.27	23.17	23.21	23.29	23.20
1800.0	0.40	0.53	0.64	0.36	0.52	0.62	1800.0	22.51	22.49	22.36	22.44	22.45	22.31	22.86	22.90	22.79	22.92	22.93	22.84
1900.0	0.39	0.54	0.65	0.37	0.52	0.63	1900.0	22.13	22.10	21.98	22.09	22.09	21.95	22.48	22.54	22.44	22.54	22.55	22.47
2000.0	0.39	0.54	0.66	0.37	0.53	0.64	2000.0	21.78	21.76	21.63	21.74	21.75	21.59	22.16	22.21	22.11	22.20	22.23	22.13
2100.0	0.40	0.55	0.67	0.38	0.54	0.65	2100.0	21.45	21.44	21.31	21.39	21.41	21.26	21.82	21.87	21.77	21.89	21.93	21.82
2200.0	0.40	0.56	0.68	0.39	0.55	0.67	2200.0	21.14	21.15	21.00	21.07	21.10	20.95	21.54	21.59	21.48	21.59	21.64	21.52
2300.0	0.41	0.57	0.69	0.39	0.56	0.68	2300.0	20.81	20.84	20.67	20.77	20.82	20.64	21.26	21.31	21.18	21.27	21.33	21.20
2400.0	0.40	0.56	0.69	0.39	0.56	0.68	2400.0	20.49	20.51	20.35	20.45	20.49	20.31	20.93	20.98	20.86	20.97	21.04	20.91
2500.0	0.41	0.56	0.70	0.39	0.56	0.69	2500.0	20.25	20.21	20.05	20.20	20.20	20.02	20.65	20.69	20.59	20.74	20.76	20.65
3000.0	0.41	0.58	0.73	0.39	0.58	0.73	3000.0	18.80	18.81	18.64	18.76	18.79	18.62	19.36	19.38	19.24	19.34	19.40	19.28
3500.0	0.43	0.62	0.78	0.40	0.60	0.76	3500.0	17.16	17.15	17.03	17.11	17.14	17.00	17.68	17.71	17.61	17.77	17.79	17.70
4000.0	0.48	0.67	0.84	0.44	0.65	0.82	4000.0	15.68	15.65	15.56	15.58	15.59	15.49	15.93	16.04	15.97	16.10	16.14	16.09
4500.0	0.57	0.75	0.94	0.51	0.73	0.91	4500.0	14.19	14.20	14.16	14.11	14.15	14.10	14.32	14.48	14.44	14.50	14.59	14.57
5000.0	0.70	0.88	1.09	0.63	0.85	1.04	5000.0	13.15	13.20	13.18	13.05	13.13	13.10	13.27	13.34	13.33	13.46	13.49	13.49
5500.0	0.87	1.07	1.30	0.83	1.05	1.27	5500.0	12.58	12.64	12.60	12.46	12.56	12.52	12.62	12.67	12.64	12.84	12.86	12.82
6000.0	1.03	1.26	1.51	1.02	1.28	1.51	6000.0	12.31	12.34	12.36	12.21	12.29	12.30	12.33	12.36	12.39	12.48	12.50	12.53
6500.0	1.15	1.40	1.68	1.10	1.40	1.67	6500.0	12.13	12.18	12.23	12.01	12.12	12.16	12.16	12.23	12.25	12.19	12.23	12.27
7000.0	1.18	1.43	1.74	1.14	1.44	1.72	7000.0	11.78	11.89	11.96	11.64	11.82	11.88	11.89	12.09	12.16	11.82	12.02	12.11
7500.0	1.26	1.48	1.76	1.16	1.42	1.71	7500.0	11.37	11.50	11.62	11.19	11.39	11.49	11.42	11.70	11.89	11.35	11.61	11.80
8000.0	1.33	1.53	1.84	1.22	1.45	1.74	8000.0	10.98	11.05	11.18	10.77	10.93	11.02	11.02	11.16	11.26	10.99	11.12	11.26

**Truth Table** (State of control voltage selects the desired switch state)

State of Control Voltage		RF Common to	
V <sub>CTL1</sub>	V <sub>CTL2</sub>	RF1	RF2
Low	High	OFF	ON
High	Low	ON	OFF
Low	Low	Not recommended	Not recommended
High	High	Not recommended	Not recommended

ON- low insertion loss state OFF- Isolation State

## Typical Performance Data

RF FREQ (MHz)	RETURN LOSS @ Vctl=+3V OVER TEMPERATURE (dB)											
	RF COM			RF COM			RF1			RF2		
	ON1			ON2			ON1			ON2		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
5.0	5.5	5.6	5.6	5.6	5.6	5.6	5.5	5.6	5.6	5.6	5.6	5.6
7.0	7.8	7.8	7.9	7.8	7.9	7.9	7.8	7.8	7.9	7.8	7.9	7.9
10.0	10.5	10.6	10.6	10.5	10.6	10.6	10.5	10.6	10.6	10.5	10.6	10.6
50.0	23.0	23.3	23.3	23.1	23.3	23.3	23.0	23.3	23.2	23.1	23.3	23.3
100.0	27.1	27.0	26.9	27.2	27.1	27.0	27.2	27.1	26.4	27.4	27.1	26.7
200.0	30.7	28.0	27.5	30.0	28.3	27.4	30.1	28.3	27.3	29.5	28.2	27.3
300.0	29.3	27.2	25.9	29.2	27.7	26.1	30.9	27.7	27.4	28.8	27.5	26.7
400.0	26.6	26.3	24.8	28.1	26.7	25.4	28.1	26.6	26.1	27.8	26.5	25.5
500.0	25.1	25.3	24.0	26.7	25.6	24.7	25.4	25.7	24.3	26.7	25.6	24.3
600.0	24.4	23.8	22.8	25.3	24.4	23.5	24.1	24.2	23.0	25.4	24.5	23.5
700.0	24.6	22.9	22.1	24.4	23.3	22.4	24.7	23.3	22.6	24.7	23.7	23.0
800.0	23.0	21.6	20.9	23.1	22.0	21.1	23.8	22.2	21.5	23.7	22.7	21.9
900.0	20.8	20.4	19.8	21.3	20.7	20.1	21.7	21.1	20.5	22.0	21.6	20.9
1000.0	20.0	19.7	19.3	20.6	20.0	19.5	20.8	20.5	20.0	21.4	21.0	20.4
1100.0	19.5	19.1	18.8	19.9	19.4	19.0	20.2	20.0	19.6	20.7	20.3	20.0
1200.0	18.7	18.6	18.3	19.1	18.8	18.5	19.5	19.5	19.2	19.9	19.7	19.5
1300.0	18.3	18.2	17.9	18.7	18.4	18.1	19.1	19.2	18.9	19.5	19.3	19.1
1400.0	18.2	17.8	17.7	18.2	18.0	17.8	19.0	18.8	18.7	19.0	18.9	18.8
1500.0	18.0	17.5	17.5	17.7	17.6	17.5	19.0	18.5	18.5	18.5	18.6	18.5
1600.0	17.4	17.2	17.1	17.5	17.3	17.3	18.4	18.2	18.3	18.3	18.4	18.4
1700.0	16.7	17.0	17.0	17.2	17.2	17.2	17.6	18.1	18.1	18.1	18.3	18.4
1800.0	16.7	16.9	16.9	17.2	17.1	17.1	17.4	17.9	18.0	18.1	18.3	18.3
1900.0	16.9	16.9	16.9	17.2	17.1	17.1	17.7	18.0	18.2	18.1	18.3	18.4
2000.0	17.0	17.0	17.1	17.2	17.1	17.2	17.9	18.1	18.3	18.1	18.3	18.5
2100.0	17.2	17.1	17.1	17.3	17.2	17.3	18.1	18.2	18.4	18.3	18.5	18.7
2200.0	17.2	17.1	17.2	17.3	17.3	17.3	18.2	18.4	18.6	18.2	18.5	18.8
2300.0	17.4	17.4	17.5	17.4	17.4	17.5	18.5	18.7	19.2	18.5	18.8	19.2
2400.0	17.6	17.8	17.8	17.9	17.9	17.9	18.7	19.3	19.5	19.0	19.4	19.7
2500.0	17.9	18.4	18.2	18.4	18.4	18.3	19.0	19.9	20.0	19.6	20.1	20.5
3000.0	22.0	22.0	21.6	23.1	22.3	21.9	24.6	25.7	25.8	26.3	26.4	26.6
3500.0	30.1	28.5	26.8	28.9	27.4	26.1	34.2	38.5	38.0	31.3	34.3	36.5
4000.0	33.6	33.2	29.8	36.2	33.0	29.6	40.0	37.6	38.6	32.5	34.2	35.1
4500.0	21.9	23.0	22.3	23.6	23.5	22.8	26.6	27.4	27.0	27.2	27.1	27.1
5000.0	16.1	16.6	16.4	16.5	16.6	16.4	18.0	18.9	18.8	17.9	18.4	18.2
5500.0	13.1	13.1	12.9	12.7	12.9	12.7	14.9	15.0	15.0	14.0	14.5	14.4
6000.0	11.6	11.3	11.2	10.9	10.8	10.8	13.5	13.2	13.2	11.9	12.1	12.1
6500.0	10.7	10.4	10.2	10.2	10.1	9.9	12.3	12.2	12.1	11.6	11.6	11.5
7000.0	10.8	10.5	10.4	10.5	10.3	10.4	12.5	12.3	12.3	11.9	11.8	11.9
7500.0	10.8	11.0	11.3	10.9	11.3	11.5	13.0	13.1	13.5	13.0	13.3	13.6
8000.0	11.5	11.9	12.2	11.6	12.3	12.6	13.8	14.1	14.7	13.6	14.6	15.2

**Truth Table** (State of control voltage selects the desired switch state)

State of Control Voltage		RF Common to	
V <sub>CTL1</sub>	V <sub>CTL2</sub>	RF1	RF2
Low	High	OFF	ON
High	Low	ON	OFF
Low	Low	Not recommended	Not recommended
High	High	Not recommended	Not recommended

ON- low insertion loss state OFF- Isolation State

## Typical Performance Data

RF FREQ (MHz)	INSERTION LOSS @ Vctl=+5V OVER TEMPERATURE						RF FREQ (MHz)	ISOLATION @ Vctl=+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)		
														ON1			ON2		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C		-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
5.0	0.32	0.35	0.38	0.25	0.28	0.31	5.0	49.48	49.30	48.97	49.32	49.30	49.08	51.20	51.22	51.12	51.11	51.13	50.82
7.0	0.31	0.35	0.38	0.27	0.30	0.34	7.0	47.71	47.97	48.01	47.65	48.00	48.03	48.85	49.27	49.42	48.86	49.20	49.36
10.0	0.30	0.34	0.38	0.28	0.32	0.36	10.0	46.24	46.73	47.02	46.20	46.69	47.18	47.11	47.60	48.01	47.04	47.65	48.03
50.0	0.30	0.35	0.39	0.30	0.35	0.39	50.0	40.82	41.57	42.17	40.85	41.60	42.25	41.26	42.11	42.82	41.26	42.09	42.76
100.0	0.30	0.35	0.39	0.30	0.35	0.40	100.0	38.48	39.21	39.81	38.52	39.23	39.86	38.93	39.71	40.39	38.88	39.70	40.34
200.0	0.29	0.35	0.40	0.30	0.36	0.40	200.0	36.06	36.64	36.99	36.09	36.65	37.06	36.50	37.12	37.58	36.46	37.10	37.52
300.0	0.29	0.35	0.41	0.30	0.36	0.41	300.0	34.25	34.64	34.80	34.29	34.68	34.90	34.66	35.13	35.41	34.63	35.09	35.31
400.0	0.29	0.36	0.42	0.29	0.36	0.42	400.0	32.65	32.90	32.94	32.67	32.94	33.05	33.07	33.38	33.55	33.05	33.35	33.43
500.0	0.29	0.36	0.43	0.29	0.36	0.43	500.0	31.25	31.40	31.35	31.27	31.44	31.48	31.66	31.86	31.94	31.65	31.84	31.83
600.0	0.30	0.37	0.44	0.29	0.37	0.43	600.0	29.99	30.06	29.96	30.00	30.11	30.09	30.40	30.53	30.56	30.40	30.52	30.47
700.0	0.28	0.37	0.45	0.29	0.37	0.45	700.0	28.85	28.87	28.73	28.87	28.92	28.88	29.25	29.35	29.36	29.26	29.34	29.26
800.0	0.29	0.38	0.45	0.30	0.39	0.45	800.0	27.77	27.80	27.66	27.80	27.86	27.80	28.22	28.31	28.31	28.24	28.30	28.21
900.0	0.32	0.40	0.47	0.31	0.39	0.46	900.0	26.93	26.94	26.79	26.94	26.98	26.93	27.35	27.43	27.41	27.37	27.42	27.31
1000.0	0.30	0.40	0.48	0.30	0.40	0.48	1000.0	26.12	26.12	25.97	26.14	26.17	26.11	26.53	26.60	26.59	26.56	26.59	26.49
1100.0	0.30	0.41	0.49	0.30	0.41	0.49	1100.0	25.38	25.37	25.21	25.40	25.42	25.35	25.78	25.83	25.81	25.81	25.82	25.70
1200.0	0.31	0.42	0.51	0.31	0.42	0.51	1200.0	24.65	24.65	24.49	24.68	24.71	24.64	25.07	25.14	25.12	25.10	25.13	25.01
1300.0	0.31	0.43	0.52	0.32	0.43	0.52	1300.0	24.01	24.02	23.87	24.04	24.09	24.03	24.45	24.53	24.52	24.47	24.51	24.41
1400.0	0.33	0.44	0.53	0.33	0.45	0.53	1400.0	23.46	23.46	23.32	23.49	23.53	23.47	23.92	23.99	23.97	23.94	23.97	23.86
1500.0	0.34	0.45	0.55	0.34	0.46	0.55	1500.0	22.99	22.97	22.81	23.02	23.04	22.97	23.44	23.50	23.47	23.47	23.49	23.36
1600.0	0.35	0.47	0.56	0.35	0.47	0.56	1600.0	22.51	22.49	22.32	22.53	22.55	22.47	22.99	23.04	23.01	23.01	23.03	22.91
1700.0	0.35	0.48	0.58	0.35	0.48	0.58	1700.0	22.03	22.02	21.85	22.05	22.08	22.01	22.50	22.57	22.54	22.52	22.56	22.45
1800.0	0.36	0.49	0.59	0.36	0.49	0.59	1800.0	21.60	21.58	21.42	21.62	21.65	21.58	22.08	22.15	22.12	22.11	22.15	22.03
1900.0	0.36	0.50	0.60	0.37	0.50	0.61	1900.0	21.23	21.21	21.03	21.25	21.27	21.19	21.74	21.78	21.76	21.75	21.77	21.64
2000.0	0.36	0.50	0.61	0.37	0.51	0.62	2000.0	20.85	20.83	20.65	20.88	20.90	20.81	21.38	21.42	21.38	21.39	21.39	21.26
2100.0	0.37	0.51	0.62	0.37	0.52	0.63	2100.0	20.46	20.44	20.26	20.49	20.52	20.43	21.00	21.05	21.01	21.00	21.02	20.90
2200.0	0.37	0.52	0.63	0.38	0.52	0.64	2200.0	20.10	20.08	19.90	20.12	20.15	20.06	20.64	20.70	20.66	20.64	20.67	20.54
2300.0	0.38	0.53	0.64	0.39	0.54	0.65	2300.0	19.75	19.74	19.55	19.79	19.81	19.71	20.31	20.36	20.30	20.32	20.32	20.17
2400.0	0.38	0.54	0.66	0.39	0.54	0.67	2400.0	19.45	19.45	19.25	19.48	19.53	19.42	20.01	20.05	19.99	20.02	20.02	19.86
2500.0	0.39	0.54	0.67	0.40	0.55	0.68	2500.0	19.18	19.17	18.98	19.22	19.25	19.13	19.71	19.77	19.71	19.71	19.73	19.59
3000.0	0.40	0.58	0.72	0.42	0.60	0.74	3000.0	17.67	17.64	17.45	17.71	17.72	17.62	18.26	18.29	18.22	18.25	18.25	18.10
3500.0	0.45	0.64	0.80	0.47	0.66	0.81	3500.0	16.03	16.03	15.89	16.08	16.13	16.09	16.63	16.73	16.75	16.54	16.61	16.53
4000.0	0.53	0.73	0.90	0.54	0.75	0.92	4000.0	14.57	14.64	14.53	14.59	14.71	14.70	15.08	15.25	15.31	15.01	15.10	15.05
4500.0	0.65	0.86	1.04	0.65	0.87	1.05	4500.0	13.30	13.39	13.32	13.36	13.50	13.49	13.85	13.98	13.98	13.78	13.84	13.77
5000.0	0.83	1.06	1.25	0.82	1.05	1.24	5000.0	12.44	12.54	12.47	12.48	12.63	12.65	12.81	12.93	13.00	12.84	12.91	12.85
5500.0	1.02	1.29	1.50	1.01	1.28	1.50	5500.0	11.96	12.09	12.02	12.01	12.18	12.20	12.38	12.49	12.52	12.37	12.46	12.45
6000.0	1.19	1.49	1.72	1.18	1.48	1.72	6000.0	11.61	11.74	11.68	11.66	11.83	11.85	12.14	12.30	12.34	12.14	12.29	12.29
6500.0	1.29	1.58	1.82	1.24	1.55	1.82	6500.0	11.27	11.41	11.37	11.31	11.49	11.54	11.82	12.04	12.16	11.85	12.04	12.11
7000.0	1.37	1.69	1.94	1.31	1.64	1.91	7000.0	10.80	10.98	11.00	10.85	11.07	11.16	11.44	11.74	11.89	11.59	11.85	11.92
7500.0	1.42	1.75	2.02	1.40	1.75	2.04	7500.0	10.26	10.53	10.62	10.32	10.61	10.78	11.00	11.19	11.36	11.28	11.40	11.47
8000.0	1.48	1.81	2.11	1.56	1.88	2.19	8000.0	10.07	10.32	10.48	10.15	10.43	10.66	10.68	10.93	11.15	10.94	11.16	11.28

**Truth Table** (State of control voltage selects the desired switch state)

State of Control Voltage		RF Common to	
V <sub>CTL1</sub>	V <sub>CTL2</sub>	RF1	RF2
Low	High	OFF	ON
High	Low	ON	OFF
Low	Low	Not recommended	Not recommended
High	High	Not recommended	Not recommended

ON- low insertion loss state OFF- Isolation State

## Typical Performance Data

RF FREQ (MHz)	RETURN LOSS @ Vctl=+5V OVER TEMPERATURE (dB)											
	RF COM			RF COM			RF1			RF2		
	ON1			ON2			ON1			ON2		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
5.0	5.5	5.5	5.5	5.6	5.7	5.7	5.5	5.5	5.5	5.7	5.7	5.7
7.0	7.7	7.8	7.8	7.9	8.0	8.0	7.7	7.8	7.8	7.9	8.0	8.0
10.0	10.4	10.5	10.5	10.6	10.7	10.7	10.4	10.5	10.5	10.7	10.7	10.8
50.0	23.3	23.5	23.6	23.6	23.8	23.8	23.4	23.6	23.5	23.7	23.8	23.8
100.0	27.8	27.8	27.6	28.2	28.2	27.9	28.2	27.8	27.2	28.6	28.2	27.5
200.0	31.5	29.7	28.4	32.1	30.1	28.7	32.0	30.0	28.5	32.6	30.5	29.1
300.0	32.0	29.6	27.8	33.0	30.1	27.9	32.1	30.3	28.9	33.0	31.1	29.6
400.0	30.8	29.2	27.8	31.6	29.8	28.1	32.0	30.0	28.3	33.3	31.0	29.2
500.0	30.6	29.1	27.9	30.9	29.2	27.9	31.5	29.2	27.3	32.9	30.4	28.3
600.0	29.5	28.0	26.7	30.3	28.4	26.8	29.4	27.9	26.5	31.3	29.5	27.9
700.0	29.4	27.8	26.4	29.7	27.8	26.1	28.6	27.2	26.0	30.2	28.5	27.1
800.0	28.0	26.3	25.1	27.8	26.0	24.7	27.4	25.7	24.5	28.4	26.4	25.1
900.0	25.5	24.6	23.8	25.7	24.5	23.6	25.4	24.4	23.5	26.0	24.9	23.9
1000.0	24.9	24.3	23.6	24.9	24.2	23.4	24.8	24.1	23.5	25.2	24.5	23.7
1100.0	24.5	23.8	23.3	24.4	23.7	23.1	24.6	23.7	23.1	24.8	23.9	23.3
1200.0	23.9	23.0	22.4	23.8	22.9	22.1	24.2	23.3	22.6	24.3	23.5	22.8
1300.0	22.8	22.2	21.8	22.7	22.1	21.5	23.3	22.8	22.3	23.3	22.9	22.4
1400.0	21.7	21.5	21.3	21.6	21.3	21.1	22.5	22.2	21.9	22.5	22.2	21.9
1500.0	21.2	21.0	20.7	20.9	20.7	20.5	22.1	21.8	21.5	21.9	21.7	21.5
1600.0	21.0	20.7	20.5	20.8	20.5	20.2	22.1	21.7	21.4	21.6	21.5	21.4
1700.0	20.6	20.4	20.3	20.4	20.1	19.9	21.7	21.5	21.3	21.2	21.1	21.0
1800.0	19.9	20.0	20.1	19.6	19.6	19.5	20.9	21.0	21.0	20.4	20.5	20.5
1900.0	19.6	19.8	19.9	19.2	19.3	19.3	20.6	20.7	20.9	20.0	20.1	20.2
2000.0	19.8	19.8	19.9	19.3	19.3	19.4	20.8	20.8	20.9	20.1	20.1	20.3
2100.0	19.9	19.9	19.9	19.5	19.4	19.4	20.9	20.9	21.0	20.2	20.2	20.4
2200.0	19.8	20.0	20.1	19.6	19.7	19.7	20.7	21.0	21.2	20.2	20.4	20.6
2300.0	19.6	19.9	20.2	19.4	19.6	19.8	20.6	20.9	21.2	20.2	20.4	20.7
2400.0	19.9	20.0	20.1	19.6	19.7	19.7	20.9	21.0	21.2	20.4	20.5	20.7
2500.0	20.3	20.3	20.3	20.0	20.0	20.0	21.4	21.5	21.7	20.8	21.0	21.2
3000.0	23.0	22.8	22.6	21.8	21.6	21.3	26.2	25.8	25.5	23.9	23.7	23.4
3500.0	23.7	23.9	23.2	22.6	22.5	21.8	27.8	27.7	27.2	25.9	25.3	24.5
4000.0	20.7	20.7	20.4	20.4	20.3	19.9	24.2	24.4	23.9	24.5	24.2	23.6
4500.0	16.0	16.2	16.2	16.2	16.5	16.5	18.1	18.5	18.4	18.9	19.3	19.3
5000.0	12.6	12.7	12.5	13.0	13.1	12.9	14.1	14.2	14.2	14.6	14.9	15.0
5500.0	10.5	10.5	10.4	10.7	10.7	10.6	11.9	11.9	11.9	12.1	12.3	12.3
6000.0	9.3	9.3	9.4	9.5	9.5	9.5	10.6	10.6	10.7	10.9	11.0	11.1
6500.0	9.1	9.3	9.4	9.4	9.6	9.5	10.4	10.7	10.9	10.9	11.2	11.3
7000.0	9.0	9.3	9.5	9.4	9.6	9.7	10.5	10.8	11.1	11.0	11.2	11.4
7500.0	9.4	9.6	9.8	9.5	9.6	9.7	10.9	11.3	11.6	11.0	11.3	11.6
8000.0	9.5	9.6	9.6	9.1	9.3	9.3	11.3	11.6	11.8	10.5	10.9	11.2

**Truth Table** (State of control voltage selects the desired switch state)

State of Control Voltage		RF Common to	
V <sub>CTL1</sub>	V <sub>CTL2</sub>	RF1	RF2
Low	High	OFF	ON
High	Low	ON	OFF
Low	Low	Not recommended	Not recommended
High	High	Not recommended	Not recommended

ON- low insertion loss state OFF- Isolation State

## Typical Performance Data

RF FREQ (MHz)	INPUT IP3	
	Vctl=+3V (dBm)	Vctl =+5V (dBm)
	RF COM-RF1	RF COM-RF1
100.0	59.54	60.57
300.0	57.79	58.53
500.0	56.49	57.90
700.0	57.57	60.31
900.0	56.93	62.42
1000.0	59.52	59.07
1200.0	58.70	59.40
1400.0	57.70	58.88
1600.0	55.80	56.80
1800.0	55.24	57.85
2000.0	56.81	58.06
2250.0	59.39	59.21
2500.0	55.98	58.40
2750.0	58.24	57.03
3000.0	54.39	57.43
3250.0	54.20	56.44
3500.0	53.27	54.28
3750.0	53.06	54.66
4000.0	55.09	55.02