

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	0.56	0.40	0.41	0.57	0.40		0.41	10	75.71	73.96	74.25	69.98	74.07	72.97	68.02	74.12	78.54	68.70
50	0.65	0.48	0.47	0.66	0.49	0.48	50	76.31	78.78	77.76	83.80	76.09	73.96	69.13	71.43	80.91	70.26	76.64	70.17
100	0.66	0.49	0.48	0.67	0.49	0.49	100	78.97	99.21	93.28	81.82	86.50	95.03	68.32	72.48	72.31	71.25	71.97	71.59
200	0.67	0.51	0.51	0.69	0.52	0.51	200	80.72	84.70	82.41	78.69	84.18	83.86	63.20	65.96	66.80	65.74	66.49	66.75
400	0.67	0.52	0.53	0.69	0.53	0.53	400	82.88	81.71	76.90	76.18	81.67	74.51	59.16	60.25	60.87	60.20	61.12	61.33
600	0.66	0.53	0.55	0.68	0.53	0.55	600	81.12	74.49	70.31	83.57	71.78	70.34	56.42	57.37	58.12	56.74	57.92	58.24
800	0.66	0.53	0.57	0.67	0.53	0.56	800	75.64	69.23	66.80	71.97	66.18	64.99	53.97	55.57	55.72	54.24	55.16	55.30
1000	0.65	0.53	0.57	0.66	0.53	0.57	1000	67.14	64.86	63.49	65.73	63.62	62.42	52.43	53.39	53.23	52.51	53.13	53.12
1100	0.65	0.53	0.58	0.66	0.54	0.58	1100	64.33	62.91	61.75	63.20	61.65	60.56	51.57	52.38	52.16	51.47	52.34	52.17
1200	0.65	0.54	0.59	0.66	0.54	0.58	1200	61.96	61.01	59.79	61.68	60.77	59.13	50.93	51.57	51.35	50.59	51.39	51.23
1300	0.65	0.54	0.60	0.66	0.54	0.59	1300	60.53	59.94	58.74	59.67	58.69	57.75	49.93	50.86	50.55	49.70	50.53	50.40
1400	0.65	0.55	0.60	0.66	0.54	0.59	1400	58.81	58.39	57.30	58.09	57.27	56.95	49.31	50.01	49.67	48.93	49.69	49.45
1500	0.65	0.55	0.60	0.65	0.55	0.60	1500	57.41	56.97	56.35	56.75	56.01	55.87	48.38	49.09	48.91	48.07	49.03	48.74
1600	0.65	0.55	0.61	0.66	0.55	0.61	1600	55.62	55.60	55.04	55.31	54.98	54.44	47.54	48.45	48.08	47.26	48.14	47.87
1700	0.65	0.55	0.62	0.66	0.55	0.61	1700	54.35	54.60	53.80	54.14	53.80	53.28	46.99	47.76	47.46	46.59	47.50	47.30
1800	0.65	0.56	0.62	0.66	0.56	0.62	1800	54.25	53.71	53.29	53.65	52.82	52.35	46.43	46.96	46.76	45.95	46.81	46.45
1900	0.65	0.56	0.63	0.66	0.56	0.62	1900	52.30	52.57	51.72	51.40	51.72	50.95	45.39	46.40	45.84	44.92	46.05	45.60
2000	0.65	0.57	0.63	0.66	0.57	0.63	2000	51.15	51.47	50.62	50.49	50.49	50.19	44.60	45.74	45.27	44.19	45.37	45.01
2100	0.65	0.57	0.64	0.67	0.57	0.64	2100	50.13	50.41	49.91	49.56	49.75	49.37	43.83	44.83	44.49	43.24	44.58	44.17
2200	0.65	0.57	0.65	0.67	0.58	0.65	2200	49.11	49.60	49.07	48.74	48.90	48.63	43.58	44.24	44.23	43.02	43.97	43.88
2300	0.65	0.58	0.66	0.66	0.58	0.65	2300	48.00	48.73	48.20	47.72	47.98	47.74	42.45	43.71	43.18	41.98	43.36	42.87
2400	0.66	0.59	0.68	0.67	0.58	0.66	2400	47.10	47.79	47.21	46.67	46.98	46.55	42.22	43.32	43.25	41.61	42.89	42.80
2500	0.65	0.59	0.68	0.67	0.59	0.67	2500	46.36	46.80	46.73	45.88	46.22	45.69	41.41	42.45	42.15	40.78	42.04	41.53
2600	0.65	0.59	0.68	0.67	0.59	0.68	2600	45.65	46.34	45.88	45.16	45.53	45.12	40.53	41.90	41.40	39.99	41.49	41.09
2800	0.66	0.60	0.71	0.67	0.60	0.70	2800	44.13	44.86	44.42	43.64	44.25	43.79	39.26	40.56	40.22	38.76	40.17	39.88
3000	0.66	0.62	0.73	0.68	0.62	0.73	3000	42.97	43.80	43.28	42.85	43.20	42.97	37.95	39.29	38.79	37.42	38.88	38.51
3200	0.69	0.65	0.77	0.69	0.65	0.77	3200	41.52	42.57	42.09	41.38	41.90	41.45	36.94	38.28	37.91	36.37	37.84	37.49
3400	0.70	0.67	0.81	0.71	0.68	0.81	3400	41.00	41.62	40.99	40.44	40.93	40.50	35.77	37.08	36.77	35.11	36.56	36.25
3600	0.75	0.73	0.87	0.77	0.75	0.89	3600	40.55	41.18	40.55	39.62	39.93	39.40	34.60	35.97	35.54	33.69	35.12	34.72
3800	0.81	0.80	0.96	0.84	0.83	0.98	3800	39.46	40.02	39.63	38.27	38.66	38.25	33.71	34.96	34.54	32.54	34.03	33.63
4000	0.94	0.96	1.13	0.98	1.01	1.16	4000	39.15	39.50	39.20	37.32	37.77	37.29	32.72	33.83	33.38	31.52	32.90	32.36
4200	1.18	1.19	1.35	1.23	1.29	1.45	4200	37.87	38.25	37.81	36.54	36.98	36.38	31.67	32.68	32.31	30.42	31.76	31.46
4400	1.43	1.45	1.63	1.50	1.59	1.77	4400	37.00	37.51	36.73	35.39	35.88	35.51	30.55	31.63	31.19	29.22	30.80	30.59
4500	1.77	1.72	1.89	1.90	1.90	2.06	4500	37.29	37.18	37.06	35.03	35.57	35.41	30.07	30.93	30.58	28.86	30.43	30.09
5000	1.56	1.55	1.76	1.75	1.67	1.86	5000	32.57	33.21	32.72	32.41	33.18	32.90	27.89	28.53	28.10	27.92	29.02	28.53
5200	1.40	1.43	1.68	1.49	1.46	1.71	5200	31.90	32.24	32.08	31.79	32.27	32.05	27.15	27.76	27.40	27.26	28.23	27.85

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



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IF/RF MICROWAVE COMPONENTS

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	25.84	28.99	28.65	25.52	29.15	28.85	26.07	29.36	29.14	28.66	38.25	36.61	28.82	37.96	36.18	25.76	29.44	29.28
50	27.58	30.89	30.39	27.07	31.19	30.66	26.91	30.49	29.94	28.97	37.30	35.50	28.80	37.33	35.30	26.60	30.54	30.02
100	27.60	30.64	29.69	26.94	30.34	29.40	26.69	30.19	29.97	28.94	36.77	34.59	28.89	36.96	34.36	26.33	30.14	30.02
200	27.19	30.02	28.86	26.56	29.68	28.46	26.22	29.49	29.74	28.75	37.00	33.82	28.74	36.86	33.48	25.90	29.55	29.96
400	26.95	30.18	29.76	26.09	29.74	29.45	25.55	28.32	28.70	29.29	37.11	34.65	30.07	36.01	34.19	25.88	28.78	28.96
600	27.24	30.77	31.43	26.79	30.45	30.60	25.08	27.31	27.15	30.40	36.62	36.52	31.16	34.75	34.50	25.50	28.16	28.04
800	28.61	31.72	31.32	28.11	32.06	31.62	24.53	26.47	25.81	30.14	36.45	37.06	31.30	33.57	33.28	25.24	27.79	27.34
1000	29.52	31.28	32.44	29.68	33.66	35.47	23.46	25.01	24.46	29.48	37.47	36.00	30.86	33.20	32.69	24.67	26.43	25.37
1100	29.39	30.04	30.47	30.76	33.05	33.14	23.12	24.30	23.16	29.26	38.57	38.72	30.01	33.10	34.18	24.38	25.79	24.10
1200	29.12	28.60	28.00	31.91	31.93	31.04	22.56	23.60	22.19	28.61	40.11	46.05	28.77	32.98	35.34	23.69	25.13	23.58
1300	28.25	27.22	26.81	32.18	30.78	31.04	21.80	22.94	21.99	27.87	42.23	47.57	27.80	32.72	33.78	22.87	24.41	23.69
1400	27.03	26.17	26.91	31.37	29.34	31.14	21.23	22.45	22.32	27.71	44.55	41.03	27.29	32.74	32.33	22.21	23.64	23.44
1500	26.13	25.40	27.06	30.65	28.05	29.66	20.92	22.06	22.36	27.96	46.43	40.07	26.79	32.94	32.14	21.71	22.90	22.57
1600	25.79	24.79	26.15	29.95	26.91	27.72	20.76	21.72	21.73	28.11	47.40	43.24	26.03	33.14	33.40	21.08	22.18	21.67
1700	25.56	24.22	24.82	28.69	25.92	26.64	20.41	21.31	20.98	27.74	50.80	69.71	25.36	33.49	35.70	20.38	21.53	21.31
1800	24.95	23.68	24.10	27.41	25.05	26.42	19.92	20.89	20.69	27.25	54.88	42.99	24.95	34.07	36.65	19.78	20.92	21.25
1900	23.96	23.21	24.15	26.29	24.32	26.24	19.42	20.52	20.88	26.98	47.63	37.83	24.87	35.36	36.20	19.29	20.41	21.11
2000	23.20	22.84	24.57	25.53	23.89	25.79	19.07	20.26	21.16	27.22	41.79	36.15	24.94	37.17	35.43	18.96	20.13	20.79
2100	22.88	22.66	24.67	24.97	23.65	25.16	18.94	20.14	21.13	27.99	37.94	36.37	25.26	39.21	35.77	18.73	19.99	20.32
2200	22.90	22.67	24.37	24.62	23.51	24.74	19.01	20.21	20.87	29.48	35.31	36.47	25.72	40.90	37.33	18.60	19.82	19.91
2300	23.20	23.00	24.37	24.26	23.30	24.60	19.16	20.40	20.67	31.25	33.35	35.14	26.01	43.40	40.80	18.41	19.66	19.72
2400	23.35	23.27	24.68	23.98	23.19	24.85	19.44	20.70	20.95	33.15	32.20	32.69	26.30	49.78	42.85	18.19	19.54	19.95
2500	23.73	23.73	25.64	23.77	23.22	25.16	19.51	21.00	21.54	34.27	31.26	30.58	26.88	52.08	37.77	18.07	19.58	20.29
2600	24.04	24.14	26.45	24.05	23.36	25.20	19.43	21.15	22.12	35.11	30.65	29.28	28.20	43.73	35.22	18.20	19.68	20.31
2800	25.31	25.07	26.70	24.98	23.53	24.16	20.01	21.61	22.21	42.59	29.09	28.75	31.42	36.91	38.53	18.83	19.83	19.44
3000	26.57	25.45	26.29	24.96	23.71	24.35	20.90	21.97	21.79	33.48	27.45	27.71	31.86	32.40	31.34	18.82	20.07	20.23
3200	26.11	25.58	26.03	25.04	23.27	23.05	20.25	21.96	21.98	31.11	26.27	25.33	32.04	30.07	28.83	19.13	19.86	19.29
3400	25.58	24.31	23.77	23.84	22.51	22.21	20.39	21.05	19.90	28.76	25.66	25.72	28.71	28.11	29.44	18.86	19.41	18.57
3600	23.59	22.83	22.74	22.48	21.59	21.77	19.21	19.67	18.87	25.81	25.64	26.20	26.50	26.30	24.92	17.90	18.45	18.25
3800	21.91	21.51	21.66	20.91	20.29	20.13	17.85	18.54	18.08	26.44	25.48	24.45	25.14	25.47	24.90	17.01	17.28	16.30
4000	21.35	21.06	21.19	19.77	19.62	19.89	17.09	17.01	16.23	25.48	25.66	26.04	23.59	24.53	24.35	15.60	15.69	15.53
4200	21.99	23.06	23.47	20.29	21.03	20.56	15.42	15.98	16.07	24.47	25.33	25.02	23.52	24.28	22.56	14.30	14.26	13.93
4400	21.95	23.51	24.46	20.28	21.05	21.14	14.36	14.73	14.66	25.95	24.69	23.29	22.92	23.65	23.53	13.35	12.95	12.71
4500	28.53	30.51	29.14	25.02	25.05	24.24	13.78	13.98	13.77	25.20	24.69	23.90	21.99	23.26	23.16	12.20	12.08	12.20
5000	17.26	16.68	16.23	14.89	14.73	14.70	13.81	13.57	13.24	22.32	21.51	20.35	20.00	21.42	21.07	10.97	11.30	11.43
5200	13.86	13.65	13.88	12.27	12.21	12.38	13.37	13.28	13.28	19.88	20.56	20.49	20.05	20.81	19.13	11.16	11.28	10.93

\*Note:

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

