

Typical Performance Data ⁽¹⁾

FREQ (MHz)	INSERTION LOSS @ VDD=+5V, VEE =-5V OVER TEMPERATURE						FREQ (MHz)	ISOLATION @ VDD=+5V, VEE =-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	0.55	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	95.17	71.66
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

⁽¹⁾Test data of Die packaged in industry standard, 3.25x3.25 mm, 8-lead MCLP package

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

Typical Performance Data ⁽¹⁾

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

⁽¹⁾Test data of Die packaged in industry standard, 3.25x3.25 mm, 8-lead MCLP package

*Note:

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