

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) 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

⁽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	25.84	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

⁽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

