

Typical Performance Data

Definitions:

STATE	CONTROL INPUT	RFC TO RF1	RFC TO RF2
1	HIGH	OFF	ON
2	LOW	ON	OFF

TEST CONDITIONS:  $V_{DD} = +3.3V$ ,  $V_{EE} = -3.3V$  @ Temperature =  $+25^{\circ}C$

FREQ	Insertion Loss		Isolation				Return Loss						FREQ	Input Power at 1dB Comp.		Input Power at 0.1dB Comp.		FREQ	Input IP3	
	RFC-RF1 State 2	RFC-RF2 State 1	RFC-RF1 State 1	RFC-RF2 State 2	RF1-RF2 State 2	RF1-RF2 State 1	RFC State 2	RFC State 1	RF1 State 2	RF1 State 1	RF2 State 2	RF2 State 1		RF1 State 2	RF2 State 1	RF1 State 2	RF2 State 1		RF1 State 2	RF2 State 1
(GHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.5	0.5	82	81	83	83	19.2	19.3	19.3	19.2	19.2	19.3	0.25	18.3	18.3	15.2	15.0	0.25	46.6	46.6
0.05	0.6	0.5	82	84	84	83	23.5	23.5	23.8	20.3	20.4	23.7	0.5	18.3	18.3	15.1	15.1	0.50	46.4	46.4
0.1	0.6	0.6	79	79	80	80	23.5	23.5	23.8	20.5	20.5	23.8	0.7	18.3	18.3	15.2	15.1	0.75	46.6	46.5
0.3	0.6	0.6	75	76	77	78	23.0	23.0	23.3	20.6	20.7	23.3	1	18.3	18.3	15.3	15.2	1	46.7	46.6
0.5	0.6	0.6	72	74	74	75	22.5	22.5	23.2	20.6	20.7	23.2	10	19.8	19.8	17.8	17.8	10	46.3	46.3
0.8	0.6	0.6	69	70	71	72	22.1	22.1	23.4	20.6	20.6	23.4	100	24.7	24.7	21.3	21.3	100	49.5	49.5
1.0	0.6	0.6	67	68	69	71	22.1	22.1	23.8	20.5	20.5	23.8	200	25.0	25.0	21.8	21.8	125	50.3	50.3
2.0	0.6	0.6	61	63	65	67	23.2	22.9	27.0	20.4	20.1	27.2	400	25.5	25.5	22.4	22.4	150	50.5	50.4
3.0	0.7	0.7	59	60	64	66	21.3	21.5	23.3	19.4	19.4	23.6	600	25.7	25.7	22.8	22.8	175	50.5	50.5
4.0	0.7	0.7	57	58	64	68	20.2	20.6	21.6	18.1	18.5	22.0	800	26.2	26.2	23.1	23.1	200	50.5	50.5
5.0	0.7	0.7	55	57	64	70	23.1	23.3	25.9	17.4	17.7	26.1	1000	26.4	26.4	23.6	23.6	225	49.8	49.8
6.0	0.7	0.7	54	56	66	72	25.0	24.7	31.2	18.4	18.3	32.6	2000	26.7	26.7	23.7	23.8	250	50.6	50.6
7.0	0.7	0.7	54	55	68	76	22.7	22.6	27.4	18.5	18.2	28.7	4000	26.8	26.8	25.7	25.7	275	50.7	50.7
8.0	0.8	0.8	53	54	69	70	22.0	22.4	25.4	15.9	16.2	26.7	6000	27.5	27.4	26.3	26.3	300	50.2	50.2
9.0	0.8	0.8	52	53	68	67	23.1	23.4	24.6	14.5	14.8	25.6	8000	26.8	26.8	25.6	25.6	325	50.3	50.3
10.0	0.9	0.9	51	53	66	64	19.1	19.2	20.3	14.8	14.9	20.4	10000	27.3	27.3	25.5	25.6	350	49.9	49.8
11.0	0.9	0.9	50	52	65	63	17.5	17.8	19.7	15.5	16.0	19.8	15000	28.3	28.3	27.1	27.1	375	51.1	51.2
12.0	1.0	1.0	50	51	63	60	16.5	17.3	17.7	14.5	15.6	19.1	20000	27.8	27.8	27.0	27.0	400	52.1	52.1
13.0	1.1	1.1	49	51	61	58	15.1	15.6	15.0	13.3	14.0	15.9	25000	27.0	26.9	26.0	26.0	425	51.4	51.4
14.0	1.3	1.3	49	51	60	56	13.0	13.1	13.1	12.9	12.9	13.2	30000	25.2	25.0	24.0	23.9	450	51.4	51.3
15.0	1.5	1.5	48	51	57	55	11.8	11.8	12.4	12.8	12.7	12.2						475	51.3	51.3
16.0	1.5	1.5	48	50	56	54	12.2	12.3	12.8	12.7	13.1	13.1						500	52.0	51.9
17.0	1.4	1.4	48	50	55	54	13.7	13.8	14.2	12.9	13.6	14.6						1000	51.8	51.8
18.0	1.5	1.5	47	49	55	53	14.2	13.9	14.6	13.0	13.1	14.3						2000	51.8	51.7
19.0	1.7	1.7	48	49	54	52	12.6	12.5	12.6	11.7	11.7	12.5						6000	50.2	50.3
20.0	1.8	1.8	48	49	54	52	12.1	12.0	12.3	10.2	10.6	12.5						10000	49.0	49.1
21.0	1.5	1.6	47	48	54	53	14.9	14.4	17.0	10.2	10.5	16.9						15000	47.4	47.4
22.0	1.4	1.5	46	47	55	53	18.2	17.6	28.5	11.4	11.5	28.4						20000	48.3	48.2
23.0	1.4	1.5	46	46	54	53	20.5	20.1	26.6	11.9	11.9	26.9						25000	50.0	49.9
24.0	1.5	1.5	47	47	54	52	23.2	21.4	29.4	10.5	11.1	30.5						30000	43.3	43.1
25.0	1.6	1.6	48	48	55	53	20.3	19.1	23.0	9.9	10.4	26.9								
26.0	1.8	1.7	48	48	55	54	15.4	15.9	16.9	10.2	10.2	18.9								
27.0	2.0	2.0	48	48	55	53	13.5	13.9	14.9	10.3	10.1	15.2								
28.0	2.2	2.2	48	47	54	53	12.6	12.7	12.8	9.5	9.8	12.9								
29.0	2.4	2.4	48	46	54	52	11.8	12.1	10.9	9.7	10.1	11.4								
30.0	2.4	2.4	47	46	53	51	12.0	12.3	11.2	11.3	11.4	11.5								