

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°C

FREQ	Insertion Loss		Isolation				Return Loss						Input Power at 1dB Comp.		Input Power at 0.1dB Comp.		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	FREQ	RF1 State 2	RF2 State 1	RF1 State 2	RF2 State 1	FREQ	RF1 State 2	RF2 State 1
(GHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(GHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.5	0.5	81.5	84.6	78.2	81.9	19.3	19.1	19.3	18.8	18.8	19.3	0.01	19.9	19.8	17.8	17.7	0.25	46.3	46.3
0.05	0.6	0.6	80.0	80.0	83.5	82.0	23.6	23.6	23.8	19.9	19.9	23.8	0.1	24.6	24.6	21.6	21.6	0.50	46.8	46.8
0.1	0.5	0.6	77.5	77.7	79.1	78.5	23.6	23.7	23.8	20.1	20.0	23.8	0.2	25.2	25.2	22.0	22.0	0.75	47.0	46.9
0.3	0.5	0.5	73.6	73.9	75.3	75.6	23.0	23.0	23.1	20.4	20.4	23.1	0.4	25.4	25.5	22.6	22.6	1	47.0	47.1
0.5	0.6	0.6	69.9	71.6	72.1	73.2	22.1	22.2	22.2	20.9	20.8	22.4	0.6	25.7	25.8	23.0	23.0	10	46.3	46.3
0.8	0.6	0.6	66.4	67.7	69.3	70.0	21.0	21.0	21.1	21.8	21.6	21.3	0.8	26.0	26.1	23.2	23.2	100	49.5	49.4
1.0	0.6	0.6	64.5	65.9	67.2	68.4	20.6	20.5	20.6	22.5	22.3	20.9	1.0	26.2	26.3	23.5	23.5	125	50.5	50.4
2.0	0.7	0.7	59.5	60.8	63.3	64.7	22.5	22.0	22.7	30.7	29.1	22.9	2.0	27.4	27.4	24.5	24.4	150	50.3	50.3
3.0	0.8	0.7	56.6	58.0	62.5	64.2	23.0	23.5	23.6	30.0	31.8	24.3	4.0	27.4	27.5	26.4	26.4	175	50.0	50.0
4.0	0.8	0.8	54.8	55.8	62.7	65.1	18.3	18.7	18.9	23.0	23.9	18.7	6.0	28.0	27.9	27.0	26.9	200	50.1	50.0
5.0	0.7	0.7	52.9	54.4	62.2	65.1	22.2	22.0	24.3	21.2	21.2	22.7	8.0	27.9	28.0	26.9	26.9	225	50.6	50.6
6.0	0.8	0.8	52.2	53.9	62.8	65.9	25.3	24.2	30.2	23.8	22.5	37.2	10.0	27.5	27.5	26.4	26.4	250	50.4	50.3
7.0	0.8	0.8	51.5	53.1	64.4	68.7	23.7	22.7	29.9	37.4	28.7	36.4	15.0	27.5	27.4	26.4	26.3	275	50.4	50.2
8.0	0.9	0.9	50.4	51.7	67.1	71.9	19.5	20.2	21.1	28.8	30.0	23.2	20.0	27.8	27.8	27.0	27.0	300	50.4	50.3
9.0	1.0	0.9	50.0	51.1	66.2	68.6	17.9	18.7	19.0	23.9	26.5	19.7	25.0	27.8	27.8	26.8	26.8	325	50.2	50.1
10.0	1.0	1.0	49.5	50.5	65.1	65.2	17.4	17.4	18.9	22.1	22.5	18.5	30.0	26.0	25.8	24.7	24.6	350	50.1	50.0
11.0	1.0	1.0	49.1	50.2	63.2	62.8	17.6	17.2	19.4	20.4	20.0	18.8	375	26.0	25.8	24.7	24.6	375	50.7	50.5
12.0	1.0	1.0	48.9	50.0	61.5	60.6	19.3	18.9	22.5	19.4	18.7	21.4	400	26.0	25.8	24.7	24.6	400	51.4	51.4
13.0	1.0	1.0	48.6	49.8	60.8	58.8	19.8	19.7	24.6	19.5	18.9	24.1	425	26.0	25.8	24.7	24.6	425	51.7	51.6
14.0	1.0	1.0	47.9	50.4	59.7	56.6	18.6	18.8	23.5	20.8	20.9	24.5	450	26.0	25.8	24.7	24.6	450	51.3	51.2
15.0	1.1	1.1	47.2	50.1	56.8	55.2	17.8	17.9	20.4	20.7	21.6	20.9	475	26.0	25.8	24.7	24.6	475	51.0	50.9
16.0	1.1	1.1	46.8	48.9	54.9	53.9	19.0	18.6	19.1	17.6	18.2	18.7	500	26.0	25.8	24.7	24.6	500	51.7	51.7
17.0	1.1	1.1	46.9	48.7	54.4	53.4	19.8	19.1	18.3	15.2	14.8	17.2	1000	26.0	25.8	24.7	24.6	1000	51.6	51.7
18.0	1.3	1.3	47.6	48.8	54.2	53.1	15.9	15.2	15.4	14.1	13.4	14.3	2000	26.0	25.8	24.7	24.6	2000	50.9	50.9
19.0	1.5	1.5	48.2	48.8	53.7	52.7	14.4	13.8	14.8	13.9	13.1	13.7	6000	26.0	25.8	24.7	24.6	6000	50.0	50.0
20.0	1.4	1.4	47.7	48.0	53.7	52.5	16.2	15.9	16.9	14.6	14.0	16.6	10000	26.0	25.8	24.7	24.6	10000	51.3	51.1
21.0	1.3	1.3	46.9	46.8	53.1	52.0	20.2	20.1	19.3	15.5	15.6	20.0	15000	26.0	25.8	24.7	24.6	15000	46.8	46.6
22.0	1.5	1.5	47.1	46.6	52.6	51.8	19.3	19.0	16.7	14.2	14.7	16.7	20000	26.0	25.8	24.7	24.6	20000	46.7	46.4
23.0	1.8	1.8	49.2	48.0	53.5	53.1	14.7	14.2	13.4	11.5	11.8	12.9	25000	26.0	25.8	24.7	24.6	25000	45.1	45.2
24.0	1.7	1.8	52.5	49.6	54.0	53.4	15.3	14.2	14.7	10.2	10.0	13.2	30000	26.0	25.8	24.7	24.6	30000	42.7	42.3
25.0	1.7	1.7	53.1	50.1	54.0	53.8	22.3	20.7	24.3	10.3	9.7	19.3								
26.0	1.7	1.7	53.3	49.7	53.3	53.1	24.6	28.7	30.3	11.3	10.2	33.3								
27.0	1.8	1.8	53.0	48.8	52.4	52.3	22.6	23.9	24.8	11.7	10.6	25.9								
28.0	1.9	1.9	52.1	48.0	51.5	51.4	20.3	20.1	24.3	10.8	10.7	21.8								
29.0	2.0	2.0	51.4	47.1	50.8	50.1	18.8	19.0	20.9	10.0	10.5	20.6								
30.0	2.3	2.4	49.1	45.3	49.8	48.3	17.2	18.0	16.8	9.3	9.6	19.0								

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

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

TEST CONDITIONS: V_{DD}= +3.5V, V_{EE} = -3.5V @ Temperature = +25°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		(GHz)	RF1 State 2	RF2 State 1	RF1 State 2		RF2 State 1	(MHz)
(GHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(GHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.5	0.5	81.5	86.0	81.7	83.4	19.1	19.1	19.2	18.8	18.7	19.2	0.01	20.2	20.2	18.2	18.1	0.25	46.7	46.8
0.05	0.5	0.5	81.0	79.8	81.3	82.5	23.6	23.6	23.8	19.9	19.9	23.8	0.1	25.0	25.1	22.1	22.1	0.50	47.2	47.2
0.1	0.5	0.5	77.7	77.8	78.5	78.7	23.7	23.7	23.9	20.1	20.0	23.9	0.2	25.6	25.6	22.5	22.5	0.75	47.3	47.3
0.3	0.5	0.5	73.2	74.7	75.1	76.2	23.0	23.1	23.1	20.4	20.4	23.2	0.4	25.8	25.8	23.1	23.1	1	47.3	47.4
0.5	0.6	0.6	70.1	71.0	72.7	73.6	22.1	22.1	22.3	20.9	20.8	22.4	0.6	26.1	26.1	23.5	23.5	10	47.2	47.2
0.8	0.6	0.6	66.5	67.5	69.2	70.0	21.0	21.0	21.2	21.8	21.6	21.4	0.8	26.3	26.4	23.7	23.7	100	49.7	49.7
1.0	0.6	0.6	64.5	65.8	67.2	68.4	20.5	20.5	20.7	22.5	22.3	20.9	1.0	26.5	26.5	23.9	23.9	125	50.7	50.7
2.0	0.7	0.7	59.4	60.8	63.1	64.9	22.4	22.0	22.9	30.6	29.1	23.0	2.0	27.6	27.6	24.9	24.8	150	50.6	50.5
3.0	0.8	0.7	56.6	58.1	62.4	64.3	23.0	23.6	23.8	30.0	31.9	24.5	4.0	27.6	27.6	26.6	26.7	175	50.1	50.0
4.0	0.8	0.8	54.9	55.9	62.6	65.1	18.4	18.8	19.1	23.1	24.2	18.9	6.0	28.1	28.0	27.2	27.1	200	50.3	50.2
5.0	0.7	0.7	53.0	54.6	61.9	65.3	22.0	21.8	24.2	21.3	21.4	22.5	8.0	28.1	28.1	27.1	27.2	225	50.7	50.7
6.0	0.8	0.8	52.2	54.0	62.3	65.8	25.1	24.3	31.2	23.9	22.7	36.0	10.0	27.6	27.6	26.6	26.6	250	50.6	50.5
7.0	0.8	0.8	51.5	53.3	63.9	69.2	23.8	23.2	29.7	35.3	28.7	39.7	15.0	27.6	27.5	26.6	26.5	275	50.5	50.4
8.0	0.9	0.9	50.5	51.9	66.3	72.0	20.1	20.9	22.0	28.9	30.4	23.8	20.0	28.0	28.0	27.2	27.2	300	50.6	50.4
9.0	1.0	0.9	50.0	51.2	66.3	68.9	18.2	18.8	19.8	24.7	27.0	20.1	25.0	28.1	28.1	27.1	27.1	325	50.2	50.2
10.0	1.0	1.0	49.6	50.7	65.4	65.7	17.0	17.0	18.8	22.7	23.0	18.3	30.0	26.1	26.0	25.0	24.9	350	50.2	50.0
11.0	1.0	1.0	49.2	50.3	63.3	62.9	16.9	16.6	18.5	20.4	20.1	17.8						375	50.8	50.6
12.0	1.0	1.0	48.9	50.1	61.4	60.4	19.5	19.2	21.6	18.7	18.3	21.0						400	51.6	51.5
13.0	1.0	1.0	48.6	50.0	61.0	58.8	20.4	20.3	24.8	18.7	18.5	24.5						425	51.8	51.7
14.0	1.0	1.0	47.9	50.6	60.2	56.7	18.4	18.5	24.5	20.7	20.9	24.7						450	51.4	51.3
15.0	1.1	1.1	47.2	50.4	57.3	55.5	17.2	17.1	20.4	21.6	22.4	20.5						475	51.1	51.0
16.0	1.2	1.2	46.9	49.0	55.2	54.0	18.4	17.8	18.8	18.0	18.2	18.0						500	51.9	51.8
17.0	1.1	1.1	46.9	48.8	54.6	53.4	21.1	20.2	18.4	15.1	14.8	17.4						1000	51.7	51.9
18.0	1.3	1.3	47.6	49.0	54.3	53.2	15.6	15.0	14.9	13.8	13.3	14.2						2000	51.0	50.9
19.0	1.5	1.6	48.3	48.9	54.1	52.7	13.9	13.3	14.3	13.7	13.0	13.4						6000	50.3	50.3
20.0	1.4	1.4	47.8	48.0	54.0	52.5	16.0	15.5	17.1	14.6	14.0	16.4						10000	51.7	51.7
21.0	1.3	1.3	46.9	46.7	53.2	51.9	20.6	20.2	19.9	15.7	15.8	20.3						15000	47.4	47.2
22.0	1.5	1.5	47.1	46.4	52.5	51.8	20.2	19.6	17.2	14.6	14.9	16.9						20000	47.2	47.2
23.0	1.8	1.8	49.2	47.7	53.4	53.0	14.7	14.2	13.5	11.8	11.8	12.8						25000	45.7	45.8
24.0	1.8	1.9	52.2	49.2	53.9	53.4	15.3	14.1	14.5	10.3	10.0	13.0						30000	43.2	43.0
25.0	1.7	1.7	52.9	49.6	54.1	54.0	21.9	19.9	23.4	10.3	9.6	18.6								
26.0	1.7	1.7	53.5	49.4	53.4	53.1	24.9	28.8	33.1	11.2	10.1	31.3								
27.0	1.8	1.8	53.0	48.6	52.6	52.3	21.3	22.9	24.2	11.5	10.5	26.8								
28.0	1.9	1.9	52.2	47.7	51.6	51.5	18.7	19.1	22.0	11.1	10.7	21.2								
29.0	2.0	2.0	51.8	46.8	50.6	50.2	18.5	19.0	20.5	10.5	10.6	20.7								
30.0	2.3	2.3	49.7	45.4	50.0	48.4	19.1	20.0	18.1	9.7	9.6	20.0								

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} = +3.6V, V_{EE} = -3.6V @ Temperature = +25°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		(GHz)	RF1 State 2	RF2 State 1	RF1 State 2		RF2 State 1	(MHz)	RF1 State 2
(GHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(GHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.5	0.53	78.7	81.2	86.4	85.2	19.2	19.2	19.3	18.8	18.7	19.3	0.01	20.5	20.4	18.3	18.3	0.25	46.8	46.9	
0.05	0.5	0.54	83.0	82.9	83.9	82.6	23.6	23.6	23.9	19.9	19.9	23.8	0.1	25.2	25.2	22.4	22.3	0.50	47.2	47.3	
0.1	0.5	0.54	77.5	78.1	79.2	78.6	23.7	23.8	23.9	20.1	20.0	23.9	0.2	25.8	25.8	22.7	22.7	0.75	47.3	47.4	
0.3	0.5	0.54	73.5	74.1	75.3	76.3	23.0	23.1	23.2	20.4	20.4	23.2	0.4	25.9	26.0	23.3	23.3	1	47.4	47.4	
0.5	0.6	0.55	70.0	71.4	72.7	74.1	22.2	22.1	22.3	20.9	20.8	22.5	0.6	26.2	26.3	23.7	23.7	10	47.5	47.5	
0.8	0.6	0.57	66.2	67.3	69.3	70.2	21.1	21.1	21.2	21.8	21.6	21.4	0.8	26.4	26.5	23.9	23.9	100	49.8	49.8	
1.0	0.6	0.59	64.5	65.8	67.4	68.2	20.6	20.5	20.7	22.5	22.3	21.0	1.0	26.7	26.7	24.2	24.1	125	50.7	50.7	
2.0	0.7	0.66	59.4	60.8	63.2	64.6	22.5	22.1	22.8	30.6	29.1	23.0	2.0	27.7	27.7	25.0	25.0	150	50.6	50.5	
3.0	0.8	0.74	56.6	58.0	62.6	64.4	23.0	23.5	23.6	29.9	31.5	24.3	4.0	27.6	27.7	26.7	26.8	175	50.2	50.1	
4.0	0.8	0.79	54.9	55.8	62.8	65.2	18.3	18.7	19.0	23.0	23.9	18.8	6.0	28.2	28.1	27.3	27.2	200	50.4	50.3	
5.0	0.7	0.72	53.0	54.5	62.2	65.3	22.1	21.9	24.2	21.2	21.2	22.6	8.0	28.1	28.2	27.2	27.3	225	50.7	50.7	
6.0	0.8	0.75	52.2	53.8	62.6	65.7	25.1	24.3	30.9	23.8	22.5	36.7	10.0	27.7	27.7	26.7	26.7	250	50.6	50.5	
7.0	0.8	0.82	51.4	53.0	64.6	68.8	23.8	22.9	29.8	37.5	28.8	37.5	15.0	27.6	27.6	26.7	26.6	275	50.6	50.4	
8.0	0.9	0.88	50.4	51.7	66.6	71.6	19.8	20.5	21.3	28.6	29.8	23.4	20.0	28.1	28.1	27.4	27.4	300	50.6	50.5	
9.0	1.0	0.94	50.0	51.0	66.5	68.6	18.1	18.8	19.5	24.1	26.4	19.9	25.0	28.2	28.2	27.3	27.3	325	50.3	50.2	
10.0	1.0	0.99	49.5	50.5	65.2	65.6	17.2	17.1	18.9	22.3	22.6	18.5	30.0	26.1	26.0	25.1	25.0	350	50.2	50.1	
11.0	1.0	1.01	49.1	50.2	63.3	62.6	17.2	16.9	18.9	20.3	20.0	18.4						375	50.8	50.6	
12.0	1.0	0.98	48.9	49.9	61.3	60.4	19.6	19.3	22.1	18.9	18.5	21.6						400	51.6	51.5	
13.0	1.0	1.00	48.5	49.8	60.7	58.6	20.1	20.1	24.9	19.1	18.8	24.7						425	51.8	51.7	
14.0	1.0	1.01	47.9	50.4	59.7	56.6	18.6	18.7	24.3	20.9	21.1	24.9						450	51.4	51.3	
15.0	1.1	1.09	47.2	50.1	56.9	55.4	17.4	17.4	20.2	21.1	21.9	20.5						475	51.1	51.1	
16.0	1.2	1.15	46.8	48.9	54.9	53.9	18.7	18.2	18.9	17.7	17.9	18.3						500	51.9	51.9	
17.0	1.1	1.11	46.9	48.7	54.4	53.4	20.4	19.7	18.4	15.2	14.8	17.4						1000	51.8	51.9	
18.0	1.3	1.32	47.6	48.8	54.2	53.0	15.7	15.1	15.3	14.1	13.4	14.3						2000	51.0	51.0	
19.0	1.5	1.53	48.3	48.8	53.9	52.8	14.2	13.6	14.6	13.9	13.2	13.8						6000	50.3	50.6	
20.0	1.4	1.41	47.7	48.1	53.6	52.4	16.2	15.8	17.1	14.7	14.2	16.7						10000	52.1	51.9	
21.0	1.3	1.32	46.8	46.8	53.0	51.9	20.5	20.3	19.7	15.8	15.8	20.2						15000	47.8	47.5	
22.0	1.5	1.52	47.1	46.6	52.6	51.8	19.6	19.3	16.9	14.3	14.7	16.7						20000	47.4	47.4	
23.0	1.8	1.82	49.2	48.0	53.3	53.0	14.6	14.1	13.5	11.7	11.8	12.9						25000	45.9	46.0	
24.0	1.7	1.83	52.5	49.4	54.1	53.5	15.6	14.6	14.9	10.4	10.1	13.5						30000	43.5	43.4	
25.0	1.7	1.71	53.3	50.1	54.1	53.9	22.7	20.9	24.0	10.4	9.8	19.7									
26.0	1.7	1.72	53.5	49.7	53.3	53.1	24.8	28.5	30.9	11.3	10.4	31.5									
27.0	1.8	1.82	53.0	48.9	52.4	52.1	22.1	23.6	24.5	11.7	10.7	26.3									
28.0	1.9	1.93	52.3	48.0	51.7	51.4	19.5	19.6	23.5	11.0	10.7	21.7									
29.0	2.0	2.05	52.0	47.1	50.6	50.0	18.3	18.7	20.4	10.3	10.5	20.2									
30.0	2.3	2.35	49.2	45.3	49.7	48.3	17.9	18.5	17.4	9.7	9.8	19.1									

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 = -55°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		FREQ	RF1 State 2	RF2 State 1	RF1 State 2		RF2 State 1	FREQ
(GHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(GHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.5	0.5	80.3	84.8	78.9	84.5	19.5	19.3	19.5	18.9	18.8	19.6	0.01	20.0	19.9	17.7	17.7	0.25	46.7	46.6
0.05	0.5	0.5	81.0	80.4	80.8	81.4	24.1	24.2	24.5	20.0	19.9	24.5	0.1	24.9	24.9	22.1	22.0	0.50	47.2	47.1
0.1	0.5	0.5	77.2	78.4	77.8	78.7	24.1	24.2	24.4	20.3	20.2	24.3	0.2	25.5	25.4	22.5	22.4	0.75	47.3	47.3
0.3	0.5	0.5	74.2	74.8	75.9	76.6	23.6	23.7	23.5	20.6	20.4	23.6	0.4	25.7	25.7	23.0	22.9	1	47.4	47.4
0.5	0.5	0.5	70.5	71.7	72.9	74.0	22.9	22.9	22.8	20.9	20.7	23.0	0.6	25.9	26.0	23.4	23.4	10	47.3	47.4
0.8	0.5	0.5	67.1	68.3	69.3	70.8	22.0	22.0	21.6	21.7	21.5	21.8	0.8	26.2	26.2	23.6	23.6	100	49.6	49.7
1.0	0.5	0.5	65.2	66.5	68.1	69.2	21.5	21.5	21.1	22.4	22.0	21.2	1.0	26.4	26.4	23.9	23.9	125	50.5	50.5
2.0	0.6	0.6	60.1	61.7	64.1	65.8	23.6	23.2	23.1	30.1	28.6	23.1	2.0	27.4	27.4	24.8	24.8	150	50.4	50.5
3.0	0.7	0.6	57.3	58.6	63.9	66.3	23.7	24.2	23.7	29.1	30.7	24.4	4.0	27.4	27.4	26.4	26.5	175	50.1	50.2
4.0	0.7	0.7	55.4	56.5	64.8	67.6	18.6	18.9	18.5	22.3	22.8	18.1	6.0	27.9	27.8	26.9	26.9	200	50.1	50.1
5.0	0.6	0.6	53.3	54.9	64.2	67.8	22.8	22.7	24.8	21.2	20.9	23.3	8.0	27.7	27.7	26.8	26.8	225	50.5	50.4
6.0	0.6	0.6	52.4	54.1	64.8	68.5	24.9	24.1	32.2	24.2	22.7	34.1	10.0	27.4	27.3	26.4	26.4	250	50.2	50.2
7.0	0.7	0.7	51.6	53.2	66.2	71.0	24.3	23.3	31.5	33.7	27.3	33.9	15.0	27.4	27.3	26.4	26.3	275	50.2	50.2
8.0	0.8	0.7	50.4	51.7	67.7	69.7	20.2	21.2	21.5	28.1	29.2	24.2	20.0	27.5	27.6	26.8	26.8	300	50.2	50.2
9.0	0.8	0.8	49.9	51.0	65.7	65.4	18.3	19.1	18.5	23.2	25.6	18.9	25.0	27.5	27.5	26.6	26.6	325	49.9	49.9
10.0	0.8	0.8	49.3	50.4	63.5	62.5	18.0	18.0	18.8	21.9	21.8	18.0	30.0	25.8	25.7	24.8	24.6	350	49.9	49.8
11.0	0.8	0.8	48.8	50.0	61.3	60.2	17.1	16.7	19.1	20.7	19.6	18.5						375	50.4	50.4
12.0	0.8	0.8	48.4	49.6	59.5	58.2	18.4	18.4	21.8	19.1	18.6	21.6						400	51.1	51.2
13.0	0.8	0.8	48.1	49.4	58.7	56.9	21.0	21.2	23.5	18.9	19.1	23.9						425	51.3	51.3
14.0	0.8	0.8	47.5	49.8	57.7	55.3	19.7	19.4	21.1	19.0	18.9	21.1						450	51.0	51.0
15.0	0.9	0.8	46.8	49.5	55.5	54.0	18.2	18.2	20.8	19.2	19.0	21.6						475	50.7	50.8
16.0	0.9	0.9	46.4	48.3	53.7	52.7	17.2	17.4	19.4	18.9	20.5	19.3						500	51.6	51.8
17.0	0.8	0.8	46.2	47.9	52.9	52.0	20.1	18.8	18.4	15.2	14.4	16.5						1000	51.4	51.6
18.0	1.0	1.1	46.8	48.2	52.5	51.4	15.5	14.5	14.3	13.1	11.8	12.8						2000	50.7	50.6
19.0	1.3	1.3	47.7	48.4	52.2	51.2	13.4	13.1	13.7	13.4	12.9	13.4						6000	49.9	49.8
20.0	1.1	1.1	46.8	47.3	52.5	51.3	16.2	15.8	15.9	14.0	14.1	15.7						10000	51.4	51.3
21.0	1.0	1.0	46.2	46.2	51.8	50.6	18.7	18.0	19.1	14.3	13.7	18.2						15000	47.2	47.2
22.0	1.2	1.2	46.2	45.9	51.3	50.3	18.3	18.2	17.6	14.2	14.6	18.1						20000	46.8	46.7
23.0	1.5	1.4	48.0	47.2	51.9	51.3	15.7	15.3	13.4	11.5	11.7	12.8						25000	45.6	45.6
24.0	1.5	1.5	51.6	49.1	52.4	51.6	14.4	13.5	13.4	9.9	9.4	12.1						30000	43.3	42.9
25.0	1.4	1.4	52.2	49.8	52.7	52.3	20.4	18.3	20.8	9.8	9.3	17.4								
26.0	1.4	1.3	53.0	49.7	52.1	51.6	27.3	34.5	31.8	10.5	9.3	30.3								
27.0	1.5	1.4	52.4	48.7	51.2	50.8	20.4	21.5	23.4	11.0	10.0	23.0								
28.0	1.5	1.5	52.0	47.9	50.3	49.8	18.1	18.2	22.8	10.4	10.4	22.1								
29.0	1.5	1.5	52.1	47.1	49.3	48.6	18.7	19.1	21.6	9.8	9.6	21.7								
30.0	1.8	1.9	49.2	45.4	48.6	47.1	18.7	18.9	18.0	9.0	9.3	18.9								

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} = +3.5V, V_{EE} = -3.5V @ Temperature = -55°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		RFC	RF1 State 2	RF2 State 1	RFC		RF1 State 2	RF2 State 1	
(GHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(GHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.5	0.5	87.7	78.7	78.4	84.6	19.3	19.4	19.4	19.2	18.8	19.6	0.01	20.4	20.3	18.1	18.0	0.25	46.9	46.8	
0.05	0.5	0.5	80.0	81.2	82.5	81.6	24.3	24.7	24.6	20.5	20.0	25.0	0.1	25.4	25.3	22.6	22.5	0.50	47.3	47.2	
0.1	0.5	0.5	77.7	77.7	78.7	78.0	24.3	24.7	24.5	20.8	20.2	24.9	0.2	25.8	25.8	23.0	22.9	0.75	47.4	47.3	
0.3	0.5	0.5	74.1	75.1	75.9	76.1	23.6	24.0	23.8	21.1	20.5	24.1	0.4	26.0	26.0	23.5	23.5	1	47.4	47.3	
0.5	0.5	0.5	70.8	72.4	73.2	74.1	22.8	23.0	23.2	21.4	20.9	23.4	0.6	26.2	26.2	23.9	23.9	10	48.1	48.1	
0.8	0.5	0.5	67.0	68.5	69.7	71.0	21.6	21.9	22.2	22.2	21.6	22.3	0.8	26.4	26.5	24.1	24.1	100	50.0	49.9	
1.0	0.5	0.5	65.2	66.8	67.8	69.5	21.0	21.2	21.7	22.8	22.1	21.7	1.0	26.7	26.7	24.4	24.3	125	50.9	50.8	
2.0	0.6	0.5	60.1	61.7	64.1	65.8	22.8	22.4	24.1	29.6	28.5	23.5	2.0	27.6	27.6	25.2	25.1	150	50.7	50.6	
3.0	0.6	0.6	57.3	58.7	63.8	66.1	23.4	23.7	24.3	29.1	30.8	24.6	4.0	27.5	27.5	26.6	26.7	175	50.3	50.2	
4.0	0.7	0.6	55.4	56.5	64.5	67.6	18.1	18.5	19.3	22.7	23.2	18.6	6.0	28.0	27.9	27.1	27.1	200	50.2	50.2	
5.0	0.6	0.6	53.2	55.0	64.1	68.1	22.5	22.5	25.6	21.8	21.3	23.5	8.0	27.9	27.9	27.0	27.0	225	50.6	50.6	
6.0	0.6	0.6	52.4	54.2	64.4	68.5	25.0	24.5	33.9	25.4	22.9	33.0	10.0	27.5	27.5	26.6	26.6	250	50.4	50.3	
7.0	0.7	0.6	51.6	53.3	66.1	71.5	25.0	23.8	30.7	30.1	27.1	32.0	15.0	27.5	27.4	26.6	26.5	275	50.3	50.3	
8.0	0.7	0.7	50.4	51.9	67.4	70.0	20.8	21.4	22.1	27.4	29.1	24.2	20.0	27.7	27.8	27.0	27.0	300	50.3	50.2	
9.0	0.8	0.7	49.9	51.0	65.6	65.4	18.2	18.9	19.8	23.8	26.2	19.8	25.0	27.7	27.8	26.9	26.9	325	49.9	50.0	
10.0	0.8	0.7	49.4	50.5	63.9	63.0	17.2	17.2	19.4	22.9	22.7	18.3	30.0	26.0	25.9	25.1	24.9	350	49.9	49.9	
11.0	0.8	0.8	48.9	50.1	61.9	60.5	16.6	16.2	18.4	21.3	19.9	17.4						375	50.5	50.5	
12.0	0.8	0.7	48.6	49.7	59.7	58.4	18.8	18.7	20.4	18.6	18.2	20.5						400	51.2	51.3	
13.0	0.8	0.7	48.2	49.5	58.9	56.8	21.5	21.5	23.7	18.3	18.5	24.5						425	51.5	51.4	
14.0	0.8	0.7	47.4	50.0	58.2	55.0	19.2	18.8	21.6	18.7	19.0	21.9						450	51.1	51.1	
15.0	0.9	0.8	46.7	49.8	55.7	54.0	17.3	17.2	21.2	19.4	19.7	21.4						475	50.8	50.8	
16.0	0.9	0.9	46.3	48.3	53.9	52.7	17.0	16.8	19.5	19.9	20.6	18.5						500	51.8	51.8	
17.0	0.8	0.8	46.1	48.0	53.1	52.0	21.2	19.9	18.3	15.4	14.4	16.5						1000	51.5	51.7	
18.0	1.0	1.0	46.8	48.3	52.7	51.6	14.5	14.0	14.1	12.8	11.8	12.8						2000	50.7	50.7	
19.0	1.3	1.2	47.7	48.4	52.5	51.3	12.7	12.4	13.6	13.3	12.8	13.1						6000	49.9	50.0	
20.0	1.1	1.1	47.0	47.3	52.8	51.3	15.8	15.1	15.9	14.1	13.9	15.4						10000	51.6	51.5	
21.0	1.0	1.0	46.2	46.1	51.9	50.6	19.3	18.5	19.1	14.3	13.9	18.4						15000	47.6	47.6	
22.0	1.2	1.1	46.1	45.6	51.3	50.4	19.4	19.2	18.3	14.5	14.9	18.1						20000	47.1	47.0	
23.0	1.4	1.4	48.0	46.8	52.0	51.3	15.2	14.7	13.8	11.9	11.8	12.8						25000	46.0	46.1	
24.0	1.5	1.5	51.4	48.8	52.4	51.6	13.9	13.0	13.6	10.1	9.5	12.1						30000	43.7	43.4	
25.0	1.3	1.4	52.1	49.4	52.9	52.4	19.6	17.4	20.4	9.9	9.3	17.0									
26.0	1.4	1.3	53.2	49.3	52.2	51.7	26.1	30.6	32.5	10.4	9.3	26.7									
27.0	1.5	1.4	52.5	48.3	51.4	50.8	19.6	21.2	23.7	10.7	9.9	24.1									
28.0	1.5	1.5	52.1	47.6	50.3	50.0	17.2	17.7	20.6	10.6	10.3	21.4									
29.0	1.5	1.5	52.4	46.8	49.4	48.7	18.4	18.6	20.5	10.3	9.7	20.8									
30.0	1.8	1.8	49.9	45.2	48.7	47.1	20.0	20.5	19.1	9.4	9.4	19.8									

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}= +3.6V, V_{EE} = -3.6V @ Temperature = -55°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		(GHz)	RF1 State 2	RF2 State 1	RF1 State 2		RF2 State 1	(MHz)	RF1 State 2
(GHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(GHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.5	0.5	93.3	78.6	80.9	82.2	19.5	19.5	19.6	18.8	18.7	19.7	0.01	20.6	20.5	18.3	18.2	0.25	46.9	46.8	
0.05	0.5	0.5	80.4	82.5	80.6	82.5	24.7	24.8	25.0	20.0	19.9	25.0	0.1	25.6	25.5	22.8	22.8	0.50	47.3	47.1	
0.1	0.5	0.5	78.4	78.9	78.4	78.6	24.6	24.8	25.0	20.3	20.2	24.9	0.2	26.0	26.0	23.2	23.2	0.75	47.3	47.1	
0.3	0.5	0.4	74.0	75.4	76.6	76.7	24.0	24.2	24.1	20.6	20.5	24.0	0.4	26.2	26.2	23.7	23.7	1	47.4	47.2	
0.5	0.5	0.5	70.4	71.9	73.1	74.1	23.1	23.1	23.2	21.0	20.7	23.4	0.6	26.3	26.4	24.1	24.1	10	48.2	48.4	
0.8	0.5	0.5	67.2	68.7	69.8	70.7	22.0	22.0	22.0	21.8	21.5	22.2	0.8	26.5	26.6	24.3	24.3	100	50.0	50.1	
1.0	0.5	0.5	65.3	66.5	68.1	69.4	21.3	21.3	21.5	22.4	22.0	21.7	1.0	26.8	26.8	24.6	24.5	125	51.0	51.0	
2.0	0.5	0.5	60.1	61.7	64.3	65.6	23.1	22.6	23.5	30.0	28.6	23.4	2.0	27.6	27.6	25.3	25.3	150	50.7	50.8	
3.0	0.6	0.6	57.3	58.7	63.9	66.2	23.1	23.6	23.6	29.0	30.7	24.2	4.0	27.5	27.6	26.7	26.8	175	50.3	50.4	
4.0	0.6	0.6	55.3	56.4	65.1	67.7	18.2	18.5	18.7	22.3	22.8	18.4	6.0	28.0	27.9	27.2	27.2	200	50.3	50.3	
5.0	0.6	0.5	53.2	54.8	64.1	67.7	22.9	22.8	25.4	21.2	20.9	23.7	8.0	27.9	27.9	27.1	27.1	225	50.7	50.6	
6.0	0.6	0.6	52.4	54.1	64.8	68.8	25.2	24.5	34.4	24.1	22.7	34.8	10.0	27.6	27.5	26.7	26.7	250	50.5	50.4	
7.0	0.6	0.6	51.5	53.1	66.6	71.1	24.3	23.3	30.8	32.5	27.1	32.0	15.0	27.5	27.4	26.7	26.6	275	50.3	50.4	
8.0	0.7	0.6	50.4	51.7	67.6	69.3	20.1	20.9	21.3	27.9	29.1	23.8	20.0	27.8	27.9	27.1	27.2	300	50.3	50.3	
9.0	0.7	0.7	49.8	50.9	65.5	65.2	18.0	18.7	19.0	23.3	25.7	19.3	25.0	27.8	27.9	27.0	27.1	325	50.1	50.0	
10.0	0.8	0.7	49.3	50.3	63.4	62.7	17.6	17.5	19.1	22.0	22.0	18.2	30.0	26.1	26.0	25.2	25.0	350	50.0	49.9	
11.0	0.8	0.7	48.8	49.9	61.3	60.3	17.0	16.7	18.6	20.5	19.5	18.1						375	50.5	50.5	
12.0	0.8	0.7	48.5	49.5	59.5	58.3	18.8	18.9	21.1	18.6	18.4	21.4						400	51.3	51.3	
13.0	0.7	0.7	48.1	49.3	58.8	56.9	20.7	21.0	23.9	18.7	19.0	24.6						425	51.4	51.5	
14.0	0.8	0.7	47.3	49.7	57.8	54.9	19.2	18.9	22.0	19.2	19.1	21.9						450	51.0	51.1	
15.0	0.8	0.8	46.6	49.5	55.3	53.7	17.7	17.7	21.0	19.4	19.3	21.8						475	50.8	50.9	
16.0	0.9	0.8	46.2	48.2	53.5	52.6	17.3	17.4	19.2	19.1	20.4	18.9						500	51.8	51.9	
17.0	0.8	0.8	46.1	47.8	52.9	51.9	20.8	19.5	18.1	15.1	14.2	16.3						1000	51.5	51.8	
18.0	1.0	1.0	46.7	48.2	52.6	51.6	14.7	13.8	14.1	12.9	11.6	12.6						2000	50.7	50.7	
19.0	1.2	1.2	47.7	48.3	52.3	51.3	13.0	12.7	13.8	13.4	13.0	13.7						6000	50.1	50.3	
20.0	1.0	1.0	46.8	47.3	52.3	51.2	16.2	15.6	16.4	14.3	14.2	15.9						10000	52.0	51.6	
21.0	1.0	0.9	46.1	46.1	51.7	50.5	19.7	18.9	19.2	14.6	13.9	18.3						15000	47.8	47.8	
22.0	1.1	1.1	46.2	45.8	51.2	50.4	18.6	18.4	17.4	14.3	14.6	17.7						20000	47.4	47.4	
23.0	1.4	1.4	47.9	47.1	52.0	51.3	15.1	14.6	13.5	11.7	11.6	12.7						25000	46.2	46.2	
24.0	1.4	1.4	51.6	49.0	52.6	51.7	14.2	13.4	13.6	9.9	9.5	12.5						30000	44.0	43.8	
25.0	1.3	1.3	52.4	49.7	52.8	52.2	20.3	18.2	21.1	9.8	9.4	18.0									
26.0	1.3	1.3	53.2	49.6	52.0	51.6	26.1	33.9	34.0	10.6	9.4	28.3									
27.0	1.4	1.3	52.4	48.5	51.2	50.6	20.9	22.1	23.4	11.1	10.1	23.9									
28.0	1.4	1.4	51.9	47.8	50.4	49.9	18.4	18.7	22.2	10.6	10.4	22.3									
29.0	1.5	1.5	52.5	47.1	49.5	48.5	18.4	18.8	20.6	10.0	9.6	20.3									
30.0	1.7	1.8	49.3	45.4	48.5	47.1	18.4	18.4	18.3	9.2	9.6	18.5									

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 = +105°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		(GHz)	RF1 State 2	RF2 State 1	RF1 State 2		RF2 State 1	(MHz)	RF1 State 2
(GHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(GHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.6	0.6	84.5	83.8	81.1	78.6	18.8	18.6	18.9	19.0	18.9	18.8	0.01	19.5	19.4	17.3	17.2	0.25	44.7	44.7	
0.05	0.7	0.7	80.1	81.6	82.1	81.4	22.3	22.3	22.5	20.1	20.0	22.5	0.1	24.3	24.2	21.0	20.9	0.50	45.3	45.3	
0.1	0.7	0.7	77.8	77.6	77.9	78.9	22.3	22.4	22.5	20.2	20.2	22.5	0.2	24.9	24.8	21.5	21.4	0.75	45.4	45.4	
0.3	0.6	0.6	72.8	73.7	74.2	74.8	21.8	21.9	22.0	20.6	20.5	22.0	0.4	25.1	25.1	22.1	22.0	1	45.5	45.5	
0.5	0.7	0.7	69.0	70.1	71.6	72.8	21.1	21.1	21.2	21.1	21.0	21.3	0.6	25.4	25.4	22.5	22.4	10	44.8	44.7	
0.8	0.7	0.7	65.6	66.6	68.3	68.9	20.2	20.2	20.3	22.0	21.8	20.5	0.8	25.7	25.7	22.7	22.6	100	48.2	48.1	
1.0	0.7	0.7	63.6	64.8	66.4	67.3	19.8	19.8	19.9	22.8	22.5	20.2	1.0	25.9	25.9	23.0	22.9	125	49.2	49.0	
2.0	0.8	0.8	58.5	59.8	62.1	63.3	21.7	21.4	21.9	30.7	29.1	22.1	2.0	27.1	27.1	24.0	23.9	150	49.0	48.9	
3.0	0.9	0.9	55.7	57.0	61.1	62.4	22.6	22.9	23.3	31.2	32.9	23.8	4.0	27.4	27.4	26.1	26.1	175	48.9	48.8	
4.0	0.9	0.9	54.1	54.9	60.5	62.6	18.5	18.9	19.3	23.8	24.7	19.1	6.0	27.8	27.7	26.7	26.6	200	49.1	48.9	
5.0	0.9	0.9	52.4	53.8	60.0	62.2	22.0	21.9	24.5	21.7	21.7	23.0	8.0	27.9	27.9	26.7	26.8	225	49.7	49.6	
6.0	0.9	0.9	51.8	53.3	60.4	62.8	24.1	23.2	28.1	24.5	23.2	32.7	10.0	27.5	27.5	26.3	26.3	250	49.5	49.4	
7.0	1.0	1.0	51.2	52.7	61.6	64.8	23.0	22.2	27.9	39.7	29.7	34.0	15.0	27.5	27.4	26.3	26.2	275	49.6	49.4	
8.0	1.1	1.0	50.3	51.6	64.2	68.9	20.0	20.6	22.4	30.3	31.6	24.4	20.0	27.8	27.8	26.9	26.8	300	49.6	49.5	
9.0	1.1	1.1	50.0	51.0	65.3	72.0	17.7	18.4	19.6	25.7	28.7	20.1	25.0	27.8	27.7	26.5	26.5	325	49.4	49.2	
10.0	1.2	1.1	49.6	50.5	65.5	70.1	16.7	16.8	18.6	22.4	22.7	18.1	30.0	26.0	25.9	24.6	24.4	350	49.3	49.1	
11.0	1.2	1.2	49.4	50.4	64.7	66.7	17.7	17.4	19.8	20.3	19.8	19.0	375					375	49.9	49.6	
12.0	1.1	1.1	49.3	50.2	63.4	64.3	19.6	19.4	23.8	19.6	18.9	23.0	400					400	50.5	50.4	
13.0	1.2	1.2	48.1	50.3	63.6	61.8	19.4	19.3	26.4	20.2	19.8	26.3	425					425	50.9	50.7	
14.0	1.2	1.2	48.5	51.0	63.0	59.3	17.9	17.9	25.1	22.8	22.6	25.9	450					450	50.5	50.3	
15.0	1.3	1.3	47.9	50.7	59.5	57.5	17.3	17.5	19.9	21.6	23.1	20.5	475					475	50.2	50.1	
16.0	1.3	1.3	47.5	49.5	57.1	55.8	19.6	19.0	19.1	17.6	18.0	18.4	500					500	50.9	50.8	
17.0	1.3	1.3	47.8	49.5	56.6	55.4	19.9	19.2	18.1	15.2	14.6	16.8	1000					1000	50.7	50.8	
18.0	1.5	1.6	48.6	49.6	56.4	55.1	15.3	14.7	14.9	14.1	13.4	14.0	2000					2000	50.2	50.1	
19.0	1.7	1.7	49.1	49.5	55.9	54.7	14.6	14.0	15.8	14.6	13.7	14.7	6000					6000	49.4	49.3	
20.0	1.6	1.6	48.4	48.6	55.6	54.3	17.8	17.7	19.1	16.3	15.6	19.2	10000					10000	50.1	50.0	
21.0	1.6	1.6	47.6	47.3	54.7	53.8	22.5	22.5	18.9	16.0	16.5	19.8	15000					15000	46.0	45.7	
22.0	1.8	1.8	48.3	47.4	54.2	53.8	17.9	17.7	15.7	13.8	14.2	15.6	20000					20000	45.7	45.5	
23.0	2.0	2.1	50.3	48.7	55.2	55.4	14.8	14.2	13.6	11.6	11.7	13.0	25000					25000	44.4	44.4	
24.0	1.9	2.0	53.4	49.7	55.7	55.5	16.7	15.5	16.4	10.6	10.3	14.7	30000					30000	41.7	41.5	
25.0	1.9	1.9	53.4	49.9	55.4	55.7	23.7	23.6	32.1	11.2	10.5	23.2									
26.0	2.0	2.0	53.4	49.5	54.5	54.9	28.0	31.3	31.4	12.1	11.1	30.6									
27.0	2.1	2.1	52.5	48.8	53.7	54.1	24.2	25.6	29.3	11.6	10.8	31.9									
28.0	2.2	2.3	51.0	47.6	52.8	53.6	18.8	18.9	22.3	11.0	10.7	20.7									
29.0	2.3	2.4	50.2	46.7	52.1	51.6	18.2	18.4	20.2	10.8	11.0	19.7									
30.0	2.7	2.7	48.1	45.0	51.1	49.7	18.3	19.1	17.5	10.0	10.3	19.5									

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} = +3.5V, V_{EE} = -3.5V @ Temperature = +105°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)	(GHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.6	0.6	81.6	85.4	80.3	79.0	18.6	18.6	18.7	18.9	18.9	18.8	0.01	19.9	19.8	17.7	17.6	0.25	45.5	45.6
0.05	0.7	0.7	81.0	82.2	82.7	81.6	22.3	22.2	22.5	20.1	20.0	22.4	0.1	24.7	24.6	21.5	21.4	0.50	46.0	46.1
0.1	0.7	0.7	77.5	77.5	78.6	78.8	22.3	22.3	22.5	20.2	20.1	22.5	0.2	25.3	25.2	22.0	21.9	0.75	46.2	46.2
0.3	0.6	0.6	72.5	73.8	75.1	75.5	21.7	21.8	22.0	20.6	20.5	21.9	0.4	25.5	25.4	22.6	22.5	1	46.2	46.3
0.5	0.7	0.7	69.2	70.4	71.2	71.8	21.1	21.0	21.2	21.1	21.0	21.3	0.6	25.7	25.8	23.0	22.9	10	45.7	45.4
0.8	0.7	0.7	65.6	66.5	68.2	69.2	20.2	20.2	20.3	22.0	21.8	20.5	0.8	26.0	26.0	23.2	23.1	100	48.5	48.3
1.0	0.7	0.7	63.6	65.0	66.2	67.5	19.9	19.8	19.9	22.8	22.5	20.2	1.0	26.3	26.3	23.5	23.4	125	49.5	49.2
2.0	0.8	0.8	58.5	59.8	61.9	63.4	21.7	21.3	22.1	30.6	29.0	22.2	2.0	27.3	27.3	24.3	24.3	150	49.2	49.0
3.0	0.9	0.9	55.8	57.1	60.8	62.4	22.5	22.9	23.5	31.0	33.1	24.0	4.0	27.5	27.5	26.4	26.4	175	49.1	48.8
4.0	0.9	0.9	54.2	55.0	60.4	62.6	18.4	19.0	19.3	23.7	25.0	19.1	6.0	27.9	27.9	26.9	26.9	200	49.2	49.0
5.0	0.9	0.9	52.4	53.9	59.8	62.6	21.8	21.8	24.3	21.6	21.8	22.6	8.0	28.0	28.1	27.0	27.0	225	49.9	49.7
6.0	0.9	0.9	51.8	53.4	60.0	62.6	24.0	23.3	28.6	24.4	23.2	32.4	10.0	27.7	27.6	26.6	26.6	250	49.7	49.5
7.0	1.0	1.0	51.3	52.9	61.4	64.8	23.2	22.5	28.1	37.7	29.5	33.2	15.0	27.6	27.6	26.6	26.4	275	49.7	49.4
8.0	1.0	1.0	50.4	51.7	63.5	68.7	20.3	20.9	23.1	30.3	31.8	24.9	20.0	28.0	28.0	27.2	27.1	300	49.8	49.5
9.0	1.1	1.1	50.0	51.1	64.8	72.0	17.8	18.4	20.0	26.3	29.2	20.3	25.0	28.0	28.0	26.9	26.9	325	49.5	49.3
10.0	1.1	1.1	49.7	50.8	65.2	70.3	16.6	16.6	18.5	22.6	23.1	18.0	30.0	26.2	26.0	24.9	24.7	350	49.4	49.1
11.0	1.2	1.2	49.4	50.4	64.8	67.1	17.4	17.0	19.3	20.3	19.9	18.3						375	50.0	49.6
12.0	1.1	1.1	49.3	50.3	63.3	64.0	19.8	19.4	23.1	19.1	18.7	22.3						400	50.7	50.5
13.0	1.2	1.1	49.1	50.4	63.5	61.8	19.7	19.6	26.1	19.5	19.3	25.7						425	51.0	50.8
14.0	1.2	1.2	48.5	51.1	63.6	59.5	18.0	17.9	26.4	22.6	22.4	26.4						450	50.5	50.4
15.0	1.3	1.3	48.0	51.0	60.0	57.9	17.0	17.0	20.1	22.4	23.8	20.4						475	50.3	50.1
16.0	1.3	1.3	47.6	49.6	57.5	56.0	19.2	18.4	19.0	17.9	18.1	18.0						500	51.1	50.9
17.0	1.3	1.3	47.8	49.5	56.8	55.4	20.8	19.8	18.2	15.2	14.6	17.0						1000	50.9	50.9
18.0	1.5	1.5	48.6	49.7	56.6	55.1	15.3	14.8	14.7	13.9	13.4	14.0						2000	50.3	50.2
19.0	1.7	1.7	49.2	49.4	56.1	54.7	14.4	13.7	15.5	14.4	13.6	14.2						6000	49.6	49.5
20.0	1.5	1.6	48.6	48.6	56.0	54.3	17.4	17.0	19.4	16.3	15.3	18.6						10000	50.5	50.4
21.0	1.6	1.6	47.6	47.2	54.8	53.7	22.5	22.3	19.3	16.3	16.7	20.3						15000	46.6	46.4
22.0	1.8	1.8	48.2	47.2	54.0	53.6	18.8	18.4	16.2	14.1	14.6	15.9						20000	46.2	46.0
23.0	2.0	2.0	50.3	48.3	54.9	55.2	15.0	14.3	13.8	11.8	11.8	13.1						25000	44.9	45.0
24.0	1.9	2.0	52.9	49.4	55.4	55.4	16.6	15.2	16.2	10.6	10.3	14.2						30000	42.3	42.2
25.0	1.9	1.9	53.2	49.5	55.5	56.0	23.2	22.3	30.6	11.2	10.4	21.5								
26.0	2.0	2.0	53.3	49.3	54.5	55.1	26.7	30.6	31.4	12.2	10.9	31.3								
27.0	2.1	2.1	52.7	48.5	53.8	54.4	22.7	24.2	28.1	11.5	10.7	33.3								
28.0	2.2	2.2	51.4	47.6	52.9	53.4	18.3	18.6	21.1	11.2	10.8	20.3								
29.0	2.3	2.3	50.4	46.4	51.8	51.7	18.7	19.1	20.2	11.2	11.3	20.1								
30.0	2.6	2.6	48.5	45.0	51.1	49.9	19.9	21.0	18.5	10.3	10.3	20.8								

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}= +3.6V, V_{EE} = -3.6V @ Temperature = +105°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		(GHz)	RF1 State 2	RF2 State 1	RF1 State 2		RF2 State 1	(MHz)
(GHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(GHz)	(dBm)	(dBm)	(dBm)	(dBm)	(MHz)	(dBm)	(dBm)
0.01	0.6	0.6	84.8	83.1	88.3	83.3	18.7	18.7	18.8	18.9	18.9	18.8	0.01	20.1	20.0	17.9	17.8	0.25	45.7	45.6
0.05	0.6	0.6	81.5	81.2	79.9	81.5	22.3	22.3	22.5	20.1	20.1	22.5	0.1	24.9	24.8	21.8	21.7	0.50	46.2	46.2
0.1	0.6	0.6	77.5	77.8	79.0	79.6	22.4	22.4	22.5	20.2	20.2	22.5	0.2	25.4	25.4	22.2	22.1	0.75	46.4	46.3
0.3	0.6	0.6	73.0	73.4	74.5	74.8	21.8	21.9	22.0	20.5	20.5	22.0	0.4	25.7	25.6	22.8	22.7	1	46.4	46.4
0.5	0.7	0.6	69.3	70.2	71.4	73.0	21.1	21.0	21.2	21.1	21.0	21.4	0.6	25.9	25.9	23.2	23.1	10	45.8	45.7
0.8	0.7	0.7	65.6	66.6	68.0	69.3	20.2	20.2	20.3	22.0	21.8	20.6	0.8	26.2	26.2	23.4	23.3	100	48.5	48.4
1.0	0.7	0.7	63.6	64.8	66.4	67.1	19.9	19.8	20.0	22.8	22.5	20.2	1.0	26.4	26.4	23.7	23.6	125	49.4	49.3
2.0	0.8	0.8	58.5	59.7	62.2	63.5	21.8	21.3	22.0	30.6	29.0	22.2	2.0	27.3	27.4	24.5	24.5	150	49.3	49.1
3.0	0.9	0.9	55.9	57.0	60.9	62.7	22.6	22.9	23.4	30.9	32.7	23.9	4.0	27.6	27.6	26.5	26.5	175	49.1	48.9
4.0	0.9	0.9	54.1	54.9	60.7	62.6	18.4	18.9	19.3	23.7	24.8	19.1	6.0	28.0	27.9	27.0	27.0	200	49.2	49.1
5.0	0.8	0.8	52.4	53.8	60.1	62.3	21.9	21.9	24.5	21.6	21.6	22.8	8.0	28.1	28.1	27.1	27.1	225	49.9	49.7
6.0	0.9	0.9	51.8	53.3	60.3	62.7	24.0	23.2	28.4	24.4	23.1	32.9	10.0	27.7	27.7	26.7	26.6	250	49.7	49.5
7.0	1.0	1.0	51.2	52.7	61.7	64.9	23.2	22.3	27.8	42.6	29.8	33.8	15.0	27.7	27.6	26.7	26.5	275	49.7	49.5
8.0	1.0	1.0	50.3	51.5	64.0	68.9	20.1	20.7	22.5	29.9	31.2	24.4	20.0	28.1	28.1	27.3	27.3	300	49.8	49.6
9.0	1.1	1.1	50.0	51.0	65.3	72.4	17.7	18.3	19.8	25.7	28.4	20.2	25.0	28.1	28.1	27.1	27.1	325	49.5	49.3
10.0	1.1	1.1	49.7	50.6	65.6	70.0	16.6	16.6	18.6	22.4	22.8	18.2	30.0	26.3	26.1	25.0	24.9	350	49.4	49.2
11.0	1.1	1.1	49.4	50.4	65.0	66.4	17.6	17.3	19.5	20.3	19.9	18.9						375	49.9	49.7
12.0	1.1	1.1	49.3	50.3	63.3	63.7	19.7	19.6	23.4	19.2	18.9	22.9						400	50.7	50.5
13.0	1.2	1.1	48.0	50.2	63.3	61.7	19.5	19.4	26.3	19.8	19.6	26.1						425	50.9	50.8
14.0	1.2	1.2	48.5	51.0	62.8	59.3	17.9	17.9	25.9	22.9	22.5	26.1						450	50.5	50.5
15.0	1.3	1.3	48.0	50.7	59.5	57.7	17.1	17.2	19.8	21.8	23.3	20.4						475	50.3	50.2
16.0	1.3	1.3	47.6	49.6	57.1	55.8	19.2	18.6	19.1	17.6	17.9	18.2						500	51.1	50.9
17.0	1.3	1.3	47.8	49.5	56.5	55.4	20.5	19.7	18.3	15.3	14.7	17.2						1000	50.8	50.9
18.0	1.5	1.5	48.6	49.6	56.2	55.1	15.3	14.8	15.0	14.1	13.5	14.2						2000	50.3	50.2
19.0	1.7	1.7	49.1	49.5	56.0	54.7	14.4	13.8	15.5	14.5	13.8	14.5						6000	49.9	49.8
20.0	1.5	1.6	48.4	48.7	55.5	54.2	17.6	17.3	19.4	16.3	15.3	18.9						10000	50.9	50.9
21.0	1.6	1.5	47.6	47.4	54.6	53.7	22.6	22.6	19.2	16.3	16.7	20.3						15000	47.0	46.7
22.0	1.8	1.8	48.3	47.4	54.1	53.7	18.4	18.2	16.0	13.9	14.5	15.9						20000	46.6	46.6
23.0	2.0	2.0	50.3	48.7	55.0	55.2	14.9	14.3	13.8	11.8	11.8	13.1						25000	45.1	45.2
24.0	1.9	2.0	53.2	49.7	55.6	55.5	16.8	15.6	16.4	10.7	10.4	14.6						30000	42.7	42.6
25.0	1.9	1.9	53.5	49.9	55.6	55.8	23.5	23.2	32.0	11.3	10.5	22.7								
26.0	1.9	2.0	53.5	49.6	54.5	54.9	26.9	30.8	31.3	12.2	11.1	32.0								
27.0	2.1	2.1	52.7	48.8	53.9	54.2	23.4	24.8	28.4	11.7	10.9	30.2								
28.0	2.2	2.2	51.2	47.8	52.9	53.2	18.6	18.7	22.2	11.2	10.8	20.7								
29.0	2.3	2.4	50.5	46.8	51.9	51.6	18.5	18.8	20.1	10.9	11.2	19.9								
30.0	2.6	2.7	48.1	45.0	51.0	49.6	19.2	19.9	17.9	10.3	10.4	20.1								