

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{D1} = V_{D2} = V_{D3} = +3\text{ V}$, $I_{D1} = 7.2\text{ mA}$, $I_{D2} = 9.1\text{ mA}$, $I_{D3} = 17.5\text{ mA}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		Noise Figure	IP-3 Output	FREQ	1dB Comp. Output	3dB Comp. Output
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dB)	(dBm)	(GHz)	(dBm)	(dBm)
6.0	19.7	67.7	13.5	10.8	121.4	1.0	2.8	13.2	5.0	5.2	6.9
6.3	19.8	65.7	14.2	11.2	97.4	1.0	2.7	12.7	6.0	4.2	6.3
6.6	19.9	67.5	14.4	11.5	122.3	1.0	2.6	13.0	7.0	4.7	6.6
6.9	19.9	65.9	14.3	11.6	99.0	1.0	2.5	13.5	8.0	4.5	6.5
7.2	19.9	64.7	14.1	11.5	93.8	1.0	2.5	13.8	9.0	4.6	7.5
7.5	19.8	65.3	13.9	11.2	93.1	1.0	2.5	13.4	10.0	4.8	8.3
7.8	19.7	65.0	14.0	11.0	91.9	1.0	2.4	14.3	11.0	5.2	9.0
8.1	19.6	66.3	13.9	10.8	118.2	1.0	2.3	14.0	12.0	5.3	8.9
8.4	19.4	64.8	13.7	10.8	90.9	1.0	2.3	15.2	13.0	4.6	8.6
8.7	19.3	62.8	13.0	10.9	73.6	1.0	2.3	13.8	14.0	4.5	9.0
9.0	19.1	63.8	12.2	11.2	84.0	1.0	2.3	14.0	15.0	6.2	10.9
9.3	19.0	65.3	11.3	11.7	105.0	1.0	2.3	14.3	16.0	6.1	10.5
9.6	18.8	63.8	10.5	12.4	85.7	1.0	2.3	14.3	17.0	6.7	9.9
9.9	18.7	65.0	10.0	13.2	102.7	1.0	2.3	15.2	18.0	6.3	9.8
10.2	18.6	66.2	9.7	13.9	116.1	1.1	2.4	14.8	19.0	6.1	9.6
10.5	18.6	63.5	9.6	14.6	86.2	1.1	2.4	14.6	20.0	6.2	10.1
10.8	18.6	64.3	9.7	15.0	94.0	1.1	2.4	14.4	21.0	6.0	10.0
11.1	18.7	64.4	9.9	15.3	98.4	1.1	2.4	14.1	22.0	5.6	9.6
11.4	18.7	64.3	10.2	15.2	98.8	1.1	2.4	15.3	23.0	5.0	9.1
11.7	18.8	63.7	10.6	15.1	88.9	1.1	2.4	14.3	24.0	4.8	8.7
12.0	18.8	62.0	10.8	14.9	74.4	1.0	2.4	14.6	25.0	4.2	7.3
12.3	18.8	61.0	11.0	14.8	65.7	1.0	2.4	14.9	26.0	3.1	7.4
12.6	18.7	62.2	11.1	14.8	77.0	1.0	2.4	15.0	27.0	1.8	4.4
12.9	18.7	62.7	11.2	14.8	82.8	1.0	2.5	14.1			
13.2	18.7	66.0	11.0	14.7	120.7	1.0	2.5	14.5			
13.5	18.7	65.0	10.8	14.8	104.6	1.0	2.5	14.5			
13.8	18.7	63.4	10.5	14.9	88.1	1.1	2.5	14.5			
14.1	18.4	68.6	10.5	15.7	185.8	1.1	2.5	13.1			
14.4	18.4	64.3	10.2	16.0	103.5	1.1	2.5	14.8			
14.7	18.5	64.0	9.9	16.4	97.4	1.1	2.5	15.3			
15.0	18.5	64.3	9.8	17.2	100.0	1.1	2.6	15.5			
15.3	18.4	64.0	9.8	18.2	98.4	1.1	2.6	16.5			
15.6	18.4	67.2	9.9	19.8	145.4	1.1	2.6	16.0			
15.9	18.6	64.7	10.1	21.3	106.2	1.1	2.6	16.5			
16.2	18.7	65.1	10.4	22.4	112.0	1.1	2.6	16.3			
16.5	18.8	65.0	10.8	22.8	109.7	1.1	2.6	16.5			
16.8	18.8	65.6	11.1	22.8	119.6	1.1	2.6	15.6			
17.1	18.9	65.9	11.3	22.6	123.2	1.1	2.6	17.3			
17.4	18.9	66.1	11.3	22.2	131.9	1.1	2.6	16.9			
17.7	19.0	64.0	11.1	22.5	97.5	1.1	2.6	16.9			
18.0	19.1	65.1	10.8	23.2	109.0	1.1	2.6	16.1			
18.3	19.1	66.2	10.5	24.8	127.0	1.1	2.7	16.5			
18.6	19.2	65.8	10.3	27.4	114.9	1.1	2.7	16.8			
18.9	19.3	66.2	10.0	27.8	120.2	1.1	2.7	16.0			
19.2	19.3	65.3	9.9	24.9	106.4	1.1	2.7	16.4			
19.5	19.4	66.8	10.0	22.3	130.2	1.1	2.7	16.4			
19.8	19.4	67.5	10.2	20.0	144.4	1.1	2.7	16.6			
20.1	19.5	67.7	10.5	18.8	140.4	1.1	2.7	15.6			
20.4	19.6	66.7	10.9	17.8	125.7	1.1	2.7	16.7			
20.7	19.7	71.0	11.5	17.3	220.9	1.1	2.6	15.8			
21.0	19.7	73.2	12.0	17.2	303.3	1.0	2.6	16.4			
21.3	19.7	72.5	12.2	17.0	283.7	1.0	2.6	16.4			
21.6	19.7	76.8	12.1	16.5	651.3	1.0	2.7	16.4			
21.9	19.7	71.8	11.7	15.7	239.2	1.0	2.7	16.0			
22.2	19.6	67.4	11.2	14.9	141.6	1.0	2.8	16.0			
22.5	19.6	65.2	10.7	14.1	111.4	1.0	2.8	15.2			
22.8	19.5	63.1	10.3	13.7	80.3	1.0	2.8	14.3			
23.1	19.5	62.7	10.3	13.5	77.3	1.0	2.9	15.0			
23.4	19.6	62.8	10.4	13.6	78.5	1.0	2.9	14.5			
23.7	19.7	64.3	10.8	14.0	96.6	1.0	2.9	14.0			
24.0	19.8	63.0	11.3	14.7	80.7	1.0	2.9	15.1			
24.3	19.9	65.6	12.0	15.6	110.4	1.0	2.9	15.0			
24.6	20.1	66.5	12.9	16.8	123.0	1.0	2.9	14.7			
24.9	20.3	67.7	13.9	18.2	146.4	1.0	2.9	14.6			
25.2	20.4	69.0	15.0	19.7	172.2	1.0	2.9	13.8			
25.5	20.5	69.1	16.0	21.7	173.8	1.0	2.9	13.1			
25.8	20.5	66.5	17.2	24.1	128.9	1.0	2.9	12.2			
26.1	20.5	70.6	18.2	26.5	204.0	1.0	2.9	13.2			
26.4	20.4	69.4	18.7	29.2	198.6	1.0	3.0	12.9			
26.7	20.3	67.1	19.0	26.7	174.9	1.0	3.0	11.5			
27.0	20.1	64.9	19.0	24.5	122.9	1.0	3.0	10.9			

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{D1} = V_{D2} = V_{D3} = +3.3\text{ V}$, $I_{D1} = 10.0\text{ mA}$, $I_{D2} = 8.2\text{ mA}$, $I_{D3} = 20.3\text{ mA}$ @ Temperature = +25°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		Noise Figure	IP-3 Output	FREQ	1dB Comp. Output	3dB Comp. Output
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dB)	(dBm)	(GHz)	(dBm)	(dBm)
6.0	20.7	68.3	14.4	10.6	125.6	0.9	2.6	13.5	5.0	6.3	8.2
6.3	20.8	68.8	15.1	11.0	128.4	0.9	2.6	14.1	6.0	5.3	7.7
6.6	20.9	66.8	15.1	11.3	96.9	1.0	2.5	13.9	7.0	6.2	7.9
6.9	20.9	66.7	14.9	11.4	100.0	1.0	2.4	14.6	8.0	6.0	8.2
7.2	20.9	67.3	14.6	11.3	102.9	1.0	2.4	14.9	9.0	6.1	8.9
7.5	20.8	66.3	14.3	11.0	93.8	1.0	2.3	14.7	10.0	6.4	9.8
7.8	20.7	65.4	14.5	10.8	84.2	0.9	2.3	14.6	11.0	6.8	10.2
8.1	20.5	65.4	14.6	10.6	89.1	0.9	2.3	15.3	12.0	6.9	10.1
8.4	20.4	65.2	14.1	10.6	84.7	0.9	2.2	15.9	13.0	6.6	10.3
8.7	20.3	63.7	13.6	10.7	72.7	1.0	2.3	15.5	14.0	6.1	10.2
9.0	20.1	64.3	12.6	11.0	80.1	1.0	2.2	15.6	15.0	7.5	12.0
9.3	20.0	64.8	11.6	11.6	85.9	1.0	2.3	16.1	16.0	8.2	11.6
9.6	19.8	64.1	10.9	12.2	83.7	1.0	2.3	16.0	17.0	7.9	11.0
9.9	19.7	63.2	10.3	13.0	72.6	1.0	2.3	16.2	18.0	7.9	10.9
10.2	19.7	64.8	10.0	13.7	92.5	1.1	2.2	15.7	19.0	7.7	10.8
10.5	19.6	68.1	10.0	14.3	141.8	1.1	2.2	16.7	20.0	7.8	11.3
10.8	19.7	64.7	10.1	14.7	89.5	1.1	2.3	16.1	21.0	7.2	11.1
11.1	19.7	64.1	10.3	14.7	85.9	1.1	2.3	15.9	22.0	6.8	10.7
11.4	19.7	63.7	10.6	14.8	79.7	1.1	2.3	15.8	23.0	6.2	10.2
11.7	19.8	64.3	11.0	14.5	88.7	1.0	2.3	16.0	24.0	6.0	9.8
12.0	19.8	62.6	11.3	14.5	70.1	1.0	2.2	16.3	25.0	5.5	8.5
12.3	19.8	61.1	11.6	14.5	59.6	1.0	2.3	15.9	26.0	4.8	7.4
12.6	19.8	64.0	11.6	14.6	87.6	1.0	2.3	15.5	27.0	3.7	5.8
12.9	19.7	64.6	11.6	14.7	91.4	1.0	2.3	15.2			
13.2	19.8	67.2	11.5	14.6	125.1	1.0	2.3	16.0			
13.5	19.8	64.5	11.1	14.7	90.7	1.0	2.3	16.0			
13.8	19.8	66.2	11.0	14.7	117.9	1.0	2.3	16.2			
14.1	19.6	66.3	11.1	15.5	117.9	1.0	2.4	15.7			
14.4	19.5	65.1	10.8	15.7	99.7	1.1	2.4	16.1			
14.7	19.6	64.1	10.5	16.1	90.4	1.1	2.4	16.4			
15.0	19.6	62.9	10.3	16.8	75.4	1.1	2.4	17.0			
15.3	19.5	64.0	10.3	17.6	90.8	1.1	2.4	17.6			
15.6	19.6	66.6	10.2	19.2	120.2	1.1	2.4	17.6			
15.9	19.7	67.4	10.5	20.2	163.9	1.1	2.4	17.9			
16.2	19.8	65.0	10.8	21.5	102.2	1.1	2.4	17.4			
16.5	19.9	66.4	11.2	21.5	124.4	1.1	2.4	17.3			
16.8	19.9	64.9	11.7	21.9	99.9	1.1	2.4	18.0			
17.1	20.0	69.5	11.7	21.5	274.0	1.1	2.4	17.9			
17.4	20.0	65.2	11.9	21.2	101.9	1.1	2.5	17.9			
17.7	20.1	63.0	11.7	21.6	79.7	1.1	2.5	18.3			
18.0	20.2	70.0	11.4	21.6	511.4	1.1	2.5	18.0			
18.3	20.3	68.5	11.0	23.7	188.7	1.1	2.5	18.2			
18.6	20.3	67.4	10.7	25.0	138.2	1.1	2.5	18.1			
18.9	20.4	64.4	10.4	28.8	88.3	1.1	2.5	17.7			
19.2	20.5	64.9	10.3	26.9	97.1	1.1	2.6	17.2			
19.5	20.5	67.6	10.4	24.0	130.6	1.1	2.6	18.1			
19.8	20.6	64.2	10.7	21.3	91.8	1.1	2.6	17.9			
20.1	20.6	67.2	11.0	20.0	124.1	1.1	2.6	17.1			
20.4	20.7	68.0	11.5	18.2	145.0	1.1	2.5	16.7			
20.7	20.8	68.3	12.0	18.1	157.8	1.0	2.6	17.7			
21.0	20.8	71.4	12.6	17.5	224.8	1.0	2.5	17.4			
21.3	20.8	72.0	12.8	17.5	258.6	1.0	2.5	17.3			
21.6	20.8	69.8	12.5	16.9	177.9	1.0	2.5	16.3			
21.9	20.8	66.5	12.0	16.4	112.2	1.0	2.6	17.3			
22.2	20.7	71.3	11.6	15.4	192.0	1.0	2.6	17.1			
22.5	20.7	65.2	11.0	14.5	91.4	1.0	2.6	16.9			
22.8	20.6	63.9	10.6	14.0	79.8	1.0	2.7	16.8			
23.1	20.6	63.1	10.5	13.6	74.0	1.0	2.7	15.6			
23.4	20.6	62.4	10.5	13.7	66.4	1.0	2.7	16.1			
23.7	20.8	64.3	10.9	14.1	84.2	1.0	2.7	15.8			
24.0	20.9	65.3	11.6	14.8	110.0	1.0	2.7	15.5			
24.3	21.0	65.3	12.4	15.9	93.2	1.0	2.6	15.3			
24.6	21.2	68.5	13.1	17.0	143.1	1.0	2.7	15.8			
24.9	21.4	66.6	14.7	18.8	111.4	1.0	2.6	15.6			
25.2	21.5	71.0	15.7	19.9	207.3	1.0	2.7	14.5			
25.5	21.7	67.8	16.8	22.9	126.5	1.0	2.7	14.6			
25.8	21.7	68.0	18.2	25.2	139.7	1.0	2.7	14.7			
26.1	21.7	69.8	18.1	28.0	165.2	1.0	2.7	14.6			
26.4	21.7	68.1	18.7	33.6	140.9	1.0	2.7	14.2			
26.7	21.6	67.0	19.0	27.8	126.3	1.0	2.7	13.9			
27.0	21.5	63.4	18.9	24.8	87.2	1.0	2.8	13.3			

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Definitions:

Input Return Loss = S11 (dB)

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Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{D1} = V_{D2} = V_{D3} = +3.3\text{ V}$, $I_{D1} = 10.5\text{ mA}$, $I_{D2} = 8.4\text{ mA}$, $I_{D3} = 21.0\text{ mA}$ @ Temperature = -55°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		Noise Figure	IP-3 Output	FREQ	1dB Comp. Output	3dB Comp. Output
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dB)	(dBm)	(GHz)	(dBm)	(dBm)
6.0	22.8	65.5	15.2	10.2	65.0	0.9	1.6	12.7	5.0	6.3	8.6
6.3	22.9	66.9	15.8	10.5	76.4	0.9	1.5	13.2	6.0	6.1	8.6
6.6	23.0	65.0	15.7	10.8	60.5	0.9	1.4	13.1	7.0	6.6	8.2
6.9	23.0	65.6	15.2	10.8	65.7	0.9	1.5	13.7	8.0	6.8	8.8
7.2	23.0	64.6	14.6	10.6	57.2	0.9	1.4	14.0	9.0	6.5	9.4
7.5	22.9	64.9	14.4	10.3	61.1	0.9	1.4	13.9	10.0	6.8	10.4
7.8	22.8	65.4	14.5	10.1	63.5	0.9	1.3	13.8	11.0	7.6	10.6
8.1	22.7	63.5	14.7	9.9	51.8	0.9	1.3	14.5	12.0	7.3	10.4
8.4	22.6	67.2	14.8	9.8	80.6	0.9	1.3	15.2	13.0	7.0	11.2
8.7	22.5	66.8	14.5	9.9	82.9	0.9	1.3	14.9	14.0	6.1	10.5
9.0	22.3	66.5	13.7	10.2	76.8	0.9	1.2	14.8	15.0	7.9	11.8
9.3	22.2	67.8	12.7	10.6	90.6	1.0	1.2	15.6	16.0	8.0	11.3
9.6	22.1	67.1	11.8	11.2	84.6	1.0	1.3	15.4	17.0	8.4	12.0
9.9	22.0	64.7	11.1	11.9	64.4	1.0	1.2	15.6	18.0	8.4	11.9
10.2	21.9	64.2	10.6	12.5	62.9	1.0	1.2	15.2	19.0	8.2	11.9
10.5	21.9	64.3	10.4	13.0	66.5	1.0	1.3	16.4	20.0	7.9	12.4
10.8	21.9	62.3	10.4	13.4	50.1	1.0	1.3	15.7	21.0	7.9	11.3
11.1	22.0	62.3	10.7	13.6	50.2	1.0	1.2	15.5	22.0	7.4	10.9
11.4	22.1	61.6	10.9	13.6	46.2	1.0	1.3	15.4	23.0	6.8	10.4
11.7	22.1	62.7	11.3	13.5	53.4	1.0	1.2	15.6	24.0	6.5	9.9
12.0	22.2	60.3	11.6	13.4	39.8	1.0	1.3	15.8	25.0	6.1	9.1
12.3	22.2	61.9	11.9	13.3	47.8	1.0	1.2	15.5	26.0	5.8	9.9
12.6	22.2	62.2	12.1	13.4	49.8	1.0	1.3	15.2	27.0	4.7	8.7
12.9	22.2	64.2	12.4	13.6	63.7	1.0	1.3	14.5			
13.2	22.2	65.4	12.4	13.7	73.6	1.0	1.3	15.3			
13.5	22.3	65.5	12.1	14.0	72.6	1.0	1.3	15.4			
13.8	22.3	60.6	12.0	14.2	41.6	1.0	1.3	15.6			
14.1	22.1	63.2	12.1	15.1	58.1	1.0	1.4	14.9			
14.4	22.1	66.4	11.7	15.3	83.9	1.0	1.3	15.4			
14.7	22.0	61.6	11.1	15.4	48.1	1.0	1.3	15.7			
15.0	22.1	64.4	10.8	15.7	66.0	1.1	1.3	16.4			
15.3	21.9	65.6	10.7	15.6	76.7	1.1	1.4	17.3			
15.6	21.9	64.2	10.6	16.4	66.1	1.1	1.4	17.5			
15.9	22.1	63.6	10.8	17.1	60.8	1.1	1.3	17.7			
16.2	22.1	64.9	10.9	18.5	70.2	1.1	1.3	17.2			
16.5	22.2	65.0	11.2	19.9	71.4	1.1	1.3	17.1			
16.8	22.3	65.9	11.5	21.2	80.2	1.1	1.3	17.9			
17.1	22.3	65.9	11.8	21.2	80.9	1.1	1.3	17.6			
17.4	22.4	65.3	12.0	20.3	80.3	1.1	1.3	17.6			
17.7	22.4	64.6	12.2	19.7	69.2	1.0	1.4	18.0			
18.0	22.5	64.9	12.1	19.4	71.8	1.0	1.3	18.0			
18.3	22.6	66.0	11.9	19.7	80.5	1.1	1.4	17.9			
18.6	22.7	62.1	11.8	20.8	49.9	1.1	1.4	18.1			
18.9	22.8	66.0	11.3	23.0	76.7	1.1	1.4	17.6			
19.2	22.9	74.4	11.2	25.2	252.9	1.1	1.4	17.1			
19.5	22.9	64.9	10.8	26.3	67.3	1.1	1.4	18.2			
19.8	22.9	71.3	10.8	24.0	156.1	1.1	1.4	17.4			
20.1	22.9	71.8	11.0	21.6	154.4	1.1	1.4	16.9			
20.4	23.0	65.9	11.3	19.7	76.9	1.1	1.4	16.6			
20.7	23.1	67.4	12.1	19.1	105.6	1.0	1.4	17.6			
21.0	23.1	68.5	13.2	19.2	102.6	1.0	1.4	17.4			
21.3	23.2	73.7	14.2	19.3	210.5	1.0	1.4	17.3			
21.6	23.2	70.0	14.6	17.5	127.6	1.0	1.4	16.5			
21.9	23.2	70.3	14.0	15.8	132.1	1.0	1.4	17.1			
22.2	23.1	65.5	12.6	14.3	69.9	1.0	1.4	17.0			
22.5	23.0	61.4	11.3	13.5	42.8	1.0	1.4	16.8			
22.8	23.0	63.8	10.6	13.1	58.0	1.0	1.5	16.8			
23.1	22.9	63.1	10.1	13.3	59.3	1.0	1.5	15.3			
23.4	23.0	63.0	10.3	13.7	51.5	1.0	1.5	16.0			
23.7	23.1	62.9	10.8	14.3	50.9	1.0	1.5	15.6			
24.0	23.3	65.3	11.9	14.9	68.3	1.0	1.5	15.5			
24.3	23.5	64.3	13.0	15.7	60.2	1.0	1.5	15.1			
24.6	23.6	66.4	14.5	15.7	76.9	1.0	1.4	15.7			
24.9	23.8	62.5	15.6	16.1	48.6	1.0	1.4	15.6			
25.2	24.0	64.6	16.1	16.5	63.7	1.0	1.4	14.6			
25.5	24.2	66.5	16.8	17.9	77.3	1.0	1.5	14.8			
25.8	24.4	71.9	17.4	19.7	153.5	1.0	1.4	14.9			
26.1	24.6	65.5	19.0	23.3	66.5	1.0	1.5	14.7			
26.4	24.7	67.6	20.2	32.3	85.3	1.0	1.4	14.4			
26.7	24.8	71.4	21.7	35.4	143.6	1.0	1.4	14.2			
27.0	24.8	60.1	22.2	30.1	35.8	1.0	1.5	13.5			

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{D1} = V_{D2} = V_{D3} = +3.3\text{ V}$, $I_{D1} = 9.4\text{ mA}$, $I_{D2} = 7.3\text{ mA}$, $I_{D3} = 19.7\text{ mA}$ @ Temperature = +105°C

FREQ	Gain	Isolation	Input Return Loss	Output Return Loss	Stability		Noise Figure	IP-3 Output	FREQ	1dB Comp. Output	3dB Comp. Output
(GHz)	(dB)	(dB)	(dB)	(dB)	K	Measure	(dB)	(dBm)	(GHz)	(dBm)	(dBm)
6.0	17.9	69.3	12.8	11.1	212.2	1.0	3.4	11.9	5.0	5.7	7.8
6.3	18.0	63.1	13.3	11.5	87.7	1.0	3.3	12.3	6.0	4.8	6.5
6.6	18.2	64.5	13.4	11.8	104.2	1.0	3.2	12.2	7.0	5.4	7.5
6.9	18.1	65.9	13.3	11.9	127.0	1.0	3.2	12.8	8.0	5.2	7.1
7.2	18.1	65.5	13.1	11.8	120.2	1.0	3.1	13.0	9.0	4.9	8.2
7.5	18.1	66.5	13.1	11.6	130.2	1.0	3.0	12.8	10.0	5.2	9.0
7.8	17.9	68.2	13.1	11.4	174.6	1.0	3.0	12.7	11.0	6.0	9.7
8.1	17.8	64.0	13.1	11.3	100.2	1.0	3.0	13.4	12.0	5.7	9.6
8.4	17.7	61.8	12.9	11.3	79.3	1.0	2.9	13.9	13.0	5.3	9.3
8.7	17.6	69.0	12.4	11.6	186.5	1.0	3.0	13.5	14.0	4.8	9.7
9.0	17.5	65.5	11.8	12.0	123.9	1.0	2.9	13.5	15.0	6.2	10.9
9.3	17.3	62.4	11.0	12.7	90.7	1.0	3.0	14.2	16.0	6.9	11.1
9.6	17.2	66.7	10.5	13.5	152.0	1.0	3.0	14.0	17.0	6.8	10.7
9.9	17.1	63.7	9.9	14.2	104.5	1.1	3.0	14.2	18.0	6.8	10.7
10.2	17.0	67.1	9.7	14.8	163.2	1.1	3.0	13.7	19.0	6.6	10.5
10.5	17.0	64.4	9.7	15.0	117.7	1.1	3.0	14.7	20.0	7.0	11.0
10.8	17.0	64.4	9.7	15.2	116.5	1.1	3.0	14.0	21.0	6.9	11.2
11.1	17.0	62.8	10.0	15.2	98.4	1.1	3.0	13.8	22.0	6.1	10.2
11.4	17.0	63.1	10.1	15.3	102.3	1.1	3.0	13.8	23.0	5.6	9.7
11.7	17.1	61.7	10.4	15.2	87.0	1.1	3.0	13.9	24.0	5.0	10.0
12.0	17.0	61.2	10.5	15.3	82.4	1.1	3.0	14.0	25.0	4.6	8.9
12.3	17.0	61.7	10.7	15.6	89.1	1.1	3.1	13.7	26.0	3.8	6.8
12.6	16.9	66.1	10.8	15.8	147.9	1.1	3.1	13.3	27.0	2.0	5.0
12.9	16.9	63.4	10.8	16.1	109.5	1.1	3.1	12.8			
13.2	17.0	63.6	10.9	16.2	111.4	1.1	3.1	13.6			
13.5	16.9	65.4	10.8	16.3	136.9	1.1	3.2	13.7			
13.8	16.9	67.6	11.0	16.2	181.2	1.1	3.2	13.9			
14.1	16.6	68.1	10.9	16.6	206.6	1.1	3.3	13.6			
14.4	16.6	67.1	10.9	16.5	182.6	1.1	3.2	14.0			
14.7	16.6	66.2	10.6	16.7	157.4	1.1	3.3	14.3			
15.0	16.6	64.7	10.3	17.3	134.4	1.1	3.3	14.8			
15.3	16.5	69.7	10.1	17.9	275.7	1.1	3.4	15.2			
15.6	16.6	65.3	10.0	19.6	143.3	1.1	3.4	15.5			
15.9	16.7	67.0	10.0	21.0	175.8	1.1	3.4	15.7			
16.2	16.7	68.2	10.0	23.0	199.2	1.1	3.4	15.3			
16.5	16.9	68.6	10.3	24.2	211.0	1.1	3.4	15.3			
16.8	16.9	69.3	10.6	24.7	231.4	1.1	3.4	15.9			
17.1	17.0	69.5	11.1	24.6	246.0	1.1	3.4	15.7			
17.4	17.1	65.3	11.4	24.2	145.9	1.1	3.4	15.9			
17.7	17.2	65.6	11.6	24.8	147.8	1.1	3.4	16.3			
18.0	17.3	66.4	11.6	25.9	160.2	1.1	3.5	16.1			
18.3	17.3	67.4	11.1	29.3	177.3	1.1	3.5	16.0			
18.6	17.4	65.3	11.1	35.2	156.9	1.1	3.5	16.0			
18.9	17.5	61.0	10.5	33.7	83.5	1.1	3.5	15.6			
19.2	17.5	65.8	10.6	28.4	143.3	1.1	3.6	15.2			
19.5	17.5	66.0	10.5	24.3	150.1	1.1	3.5	16.2			
19.8	17.6	63.8	10.7	22.0	114.9	1.1	3.5	15.6			
20.1	17.6	60.7	11.1	20.6	79.4	1.1	3.6	15.1			
20.4	17.7	63.1	11.5	19.3	104.6	1.1	3.5	14.8			
20.7	17.8	71.4	12.2	18.7	336.5	1.0	3.5	15.6			
21.0	17.8	67.8	12.5	17.9	190.1	1.0	3.5	15.7			
21.3	17.8	64.4	12.6	17.2	124.3	1.0	3.5	15.3			
21.6	17.8	69.1	12.2	16.4	218.3	1.0	3.5	14.6			
21.9	17.7	69.8	11.8	15.6	233.3	1.0	3.6	15.1			
22.2	17.7	73.8	11.2	15.1	388.4	1.0	3.6	15.0			
22.5	17.7	68.8	10.8	14.9	199.5	1.0	3.6	14.9			
22.8	17.7	68.3	10.7	15.0	208.9	1.1	3.6	15.0			
23.1	17.8	70.3	10.8	15.5	245.8	1.1	3.6	13.8			
23.4	17.9	66.5	11.2	16.2	153.9	1.0	3.6	14.4			
23.7	18.0	65.9	11.8	17.5	146.6	1.0	3.6	14.1			
24.0	18.2	65.9	12.8	18.9	145.6	1.0	3.6	13.8			
24.3	18.2	62.3	13.7	20.7	96.8	1.0	3.6	13.6			
24.6	18.4	65.7	15.1	21.9	147.8	1.0	3.6	13.7			
24.9	18.5	65.6	16.1	22.8	141.2	1.0	3.6	13.5			
25.2	18.6	68.9	17.1	23.4	205.1	1.0	3.6	12.5			
25.5	18.6	74.3	17.8	24.5	446.2	1.0	3.6	12.6			
25.8	18.6	72.8	18.1	25.4	380.4	1.0	3.6	12.4			
26.1	18.5	71.3	18.5	25.1	290.4	1.0	3.6	12.2			
26.4	18.3	67.8	18.1	23.3	191.7	1.0	3.7	11.7			
26.7	18.2	65.2	18.1	21.3	157.4	1.0	3.7	11.3			
27.0	17.9	62.4	17.5	19.8	139.5	1.0	3.7	10.7			

*Typical Performance Data***NOTE: Use PDF Bookmarks to view DATA at required conditions****Definitions:**

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{D1} = V_{D2} = V_{D3} = +3.3 \text{ V}$ @ Temperature = +25°C

P_{IN}	Gain	P_{IN}	Gain	P_{IN}	Gain	P_{IN}	Gain	P_{IN}	Gain
dBm	dB	dBm	dB	dBm	dB	dBm	dB	dBm	dB
8GHz		10GHz		15GHz		20GHz		24GHz	
-25.0	20.4	-25.0	19.3	-25.0	19.2	-25.0	20.0	-25.0	20.3
-24.0	20.4	-24.0	19.3	-24.0	19.2	-24.0	20.0	-24.0	20.3
-23.0	20.4	-23.0	19.3	-23.0	19.2	-23.0	20.0	-23.0	20.2
-22.0	20.4	-22.0	19.3	-22.0	19.2	-22.0	19.9	-22.0	20.2
-21.0	20.3	-21.0	19.3	-21.0	19.1	-21.0	19.9	-21.0	20.2
-20.0	20.3	-20.0	19.2	-20.0	19.1	-20.0	19.9	-20.0	20.1
-19.0	20.2	-19.0	19.2	-19.0	19.1	-19.0	19.9	-19.0	20.1
-18.0	20.1	-18.0	19.1	-18.0	19.0	-18.0	19.8	-18.0	20.0
-17.0	20.0	-17.0	19.1	-17.0	19.0	-17.0	19.8	-17.0	19.9
-16.0	19.9	-16.0	19.0	-16.0	18.9	-16.0	19.7	-16.0	19.8
-15.0	19.7	-15.0	18.9	-15.0	18.9	-15.0	19.6	-15.0	19.6
-14.0	19.5	-14.0	18.8	-14.0	18.8	-14.0	19.5	-14.0	19.3
-13.0	19.3	-13.0	18.6	-13.0	18.6	-13.0	19.3	-13.0	19.0
-12.0	19.0	-12.0	18.4	-12.0	18.5	-12.0	19.1	-12.0	18.6
-11.0	18.6	-11.0	18.1	-11.0	18.2	-11.0	18.8	-11.0	18.2
-10.0	18.0	-10.0	17.8	-10.0	18.0	-10.0	18.6	-10.0	17.7
-9.0	17.2	-9.0	17.5	-9.0	17.7	-9.0	18.2	-9.0	17.3
-8.0	16.2	-8.0	17.0	-8.0	17.4	-8.0	17.9	-8.0	16.9
-7.0	15.0	-7.0	16.5	-7.0	17.0	-7.0	17.4	-7.0	16.4
-6.0	13.9	-6.0	15.7	-6.0	16.5	-6.0	17.0	-6.0	15.9
-5.0	12.8	-5.0	14.9	-5.0	15.9	-5.0	16.4	-5.0	15.3
-4.0	11.8	-4.0	13.9	-4.0	15.2	-4.0	15.7	-4.0	14.6
-3.0	10.9	-3.0	12.8	-3.0	14.5	-3.0	15.0	-3.0	13.6
-2.0	10.1	-2.0	11.7	-2.0	13.6	-2.0	14.2	-2.0	12.6
-1.0	9.0	-1.0	10.7	-1.0	12.8	-1.0	13.4	-1.0	11.6
0.0	7.7	0.0	9.8	0.0	11.8	0.0	12.5	0.0	10.6

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{D1} = V_{D2} = V_{D3} = +3.3 \text{ V}$ @ Temperature = +25°C

P_{IN}	Total I_{DD}	P_{IN}	Total I_{DD}	P_{IN}	Total I_{DD}	P_{IN}	Total I_{DD}	P_{IN}	Total I_{DD}
dBm	mA	dBm	mA	dBm	mA	dBm	mA	dBm	mA
8GHz		10GHz		15GHz		20GHz		24GHz	
-25.0	39.3	-25.1	39.1	-25.0	39.0	-25.0	39.0	-25.0	39.0
-24.5	39.3	-24.6	39.2	-24.5	39.1	-24.5	39.0	-24.5	39.1
-24.0	39.3	-24.1	39.2	-24.0	39.1	-24.0	39.0	-24.0	39.1
-23.5	39.4	-23.6	39.2	-23.5	39.1	-23.5	39.0	-23.5	39.1
-23.0	39.4	-23.1	39.3	-23.0	39.1	-23.0	39.1	-22.9	39.1
-22.5	39.5	-22.6	39.3	-22.5	39.1	-22.5	39.1	-22.4	39.2
-22.0	39.6	-22.1	39.4	-22.0	39.2	-22.0	39.1	-21.9	39.2
-21.5	39.7	-21.6	39.4	-21.5	39.2	-21.5	39.1	-21.4	39.2
-21.0	39.8	-21.1	39.5	-21.0	39.2	-21.0	39.1	-20.9	39.3
-20.5	39.9	-20.6	39.6	-20.5	39.3	-20.5	39.2	-20.4	39.3
-20.0	40.0	-20.1	39.6	-20.0	39.3	-20.0	39.2	-19.9	39.4
-19.5	40.1	-19.6	39.7	-19.5	39.4	-19.5	39.2	-19.4	39.4
-19.0	40.3	-19.1	39.8	-19.0	39.4	-19.0	39.3	-18.9	39.5
-18.5	40.5	-18.5	40.0	-18.4	39.5	-18.5	39.3	-18.4	39.6
-18.0	40.8	-18.0	40.1	-17.9	39.6	-18.0	39.4	-17.9	39.6
-17.6	41.0	-17.6	40.3	-17.5	39.7	-17.6	39.5	-17.5	39.7
-17.2	41.3	-17.2	40.4	-17.1	39.8	-17.2	39.5	-17.1	39.8
-16.8	41.5	-16.8	40.6	-16.7	39.9	-16.8	39.6	-16.7	39.9
-16.4	41.9	-16.4	40.8	-16.3	40.0	-16.4	39.7	-16.3	40.0
-16.0	42.2	-16.0	41.0	-15.9	40.1	-16.0	39.8	-15.9	40.2
-15.6	42.7	-15.6	41.3	-15.5	40.2	-15.6	39.9	-15.5	40.3
-15.2	43.1	-15.2	41.6	-15.1	40.4	-15.2	40.0	-15.1	40.5
-14.8	43.7	-14.8	41.9	-14.7	40.6	-14.8	40.1	-14.7	40.7
-14.4	44.3	-14.4	42.3	-14.3	40.7	-14.4	40.3	-14.3	40.9
-14.0	45.0	-14.0	42.7	-13.9	41.0	-14.0	40.5	-13.9	41.1
-13.6	45.8	-13.6	43.2	-13.5	41.2	-13.6	40.7	-13.5	41.4
-13.2	46.6	-13.2	43.7	-13.1	41.5	-13.2	40.9	-13.1	41.7
-12.8	47.6	-12.8	44.3	-12.7	41.8	-12.8	41.1	-12.7	42.0
-12.4	48.6	-12.4	45.0	-12.3	42.2	-12.4	41.4	-12.3	42.3
-12.0	49.7	-12.0	45.8	-11.9	42.5	-12.0	41.7	-11.9	42.7
-11.6	50.8	-11.6	46.7	-11.5	43.0	-11.6	42.0	-11.5	43.2
-11.2	52.0	-11.2	47.5	-11.1	43.5	-11.2	42.4	-11.1	43.7
-10.8	53.2	-10.8	48.5	-10.7	44.1	-10.8	42.9	-10.7	44.2
-10.4	54.4	-10.4	49.6	-10.3	44.7	-10.4	43.4	-10.3	44.9
-10.0	55.6	-10.0	50.8	-9.9	45.4	-10.0	43.9	-9.9	45.5
-9.6	56.7	-9.6	52.0	-9.5	46.1	-9.6	44.5	-9.5	46.3
-9.2	57.8	-9.2	53.3	-9.1	47.0	-9.2	45.2	-9.1	47.1
-8.8	58.8	-8.8	54.6	-8.7	47.9	-8.8	45.9	-8.7	48.0
-8.4	59.7	-8.5	56.0	-8.3	48.9	-8.4	46.7	-8.3	48.9
-8.0	60.6	-8.1	57.4	-7.9	50.0	-8.0	47.6	-7.9	49.9
-7.6	61.5	-7.7	58.8	-7.5	51.2	-7.6	48.5	-7.5	51.0
-7.2	62.3	-7.3	60.2	-7.1	52.5	-7.2	49.4	-7.1	52.0
-6.8	63.0	-6.9	61.6	-6.7	53.8	-6.8	50.5	-6.7	53.2
-6.4	63.8	-6.5	63.0	-6.3	55.1	-6.4	51.5	-6.3	54.3
-6.0	64.6	-6.1	64.4	-5.9	56.6	-6.0	52.6	-5.9	55.4
		-5.7	65.7	-5.5	58.0	-5.6	53.7	-5.6	56.6
		-5.2	67.0	-5.1	59.5	-5.2	54.8	-5.2	57.7
		-4.8	68.3	-4.7	61.1	-4.8	55.9	-4.8	58.7
		-4.4	69.5	-4.3	62.7	-4.4	57.1	-4.4	59.8
		-4.0	70.8	-3.9	64.3	-4.0	58.2	-4.0	59.3
		-3.6	72.0	-3.5	66.0	-3.6	59.3	-3.6	60.4
				-3.1	67.7	-3.2	60.4	-3.2	61.5
				-2.7	69.5	-2.8	60.5	-2.8	62.6
				-2.3	70.8	-2.4	61.7		

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:
Input Return Loss = S11 (dB)
Gain = S21 (dB)
Isolation = S12 (dB)
Output Return Loss = S22 (dB)

TEST CONDITIONS: V_{D1} = V_{D2} = V_{D3} = +3.3 V @ Temperature = +25°C

P _{OUT}	Output IP3	P _{OUT}	Output IP3	P _{OUT}	Output IP3	P _{OUT}	Output IP3	P _{OUT}	Output IP3
dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
8GHz		10GHz		15GHz		20GHz		24GHz	
-5.0	14.8	-5.0	15.8	-5.0	16.9	-5.0	18.5	-5.0	16.9
-4.0	14.7	-4.0	15.7	-4.0	16.9	-4.0	18.4	-4.0	16.9
-3.0	14.6	-3.0	15.6	-3.0	16.9	-3.0	18.4	-3.0	16.8
-2.0	14.4	-2.0	15.5	-2.0	16.8	-2.0	18.3	-2.0	16.6
-1.0	14.3	-1.0	15.4	-1.0	16.8	-1.0	18.2	-1.0	16.5
0.0	14.3	0.0	15.3	0.0	16.8	0.0	18.1	0.0	16.4
1.0	14.6	1.0	15.3	1.0	16.9	1.0	18.0	1.0	16.2
2.0	14.9	2.0	15.5	2.0	17.0	2.0	17.9	2.0	16.2
3.0	15.3	3.0	15.9	3.0	17.1	3.0	17.8	3.0	16.3
		4.0	16.4	4.0	17.2	4.0	17.8	4.0	16.5
		5.0	16.9	5.0	17.5	5.0	18.0	5.0	17.0
		6.0	17.0	6.0	17.8	6.0	18.2	6.0	17.5
				7.0	18.1	7.0	18.4	7.0	18.0
						8.0	18.6		

*Typical Performance Data***NOTE: Use PDF Bookmarks to view DATA at required conditions****Definitions:**

Input Return Loss = S11 (dB)

Gain = S21 (dB)

Isolation = S12 (dB)

Output Return Loss = S22 (dB)

TEST CONDITIONS: $V_{D1} = V_{D2} = V_{D3} = +3.3\text{ V}$ @ Temperature = +25°C

P_{IN}	P_{OUT}	P_{IN}	P_{OUT}	P_{IN}	P_{OUT}	P_{IN}	P_{OUT}	P_{IN}	P_{OUT}
dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm	dBm
8GHz		10GHz		15GHz		20GHz		25GHz	
-25.0	-4.6	-25.0	-5.7	-25.0	-5.8	-25.0	-5.0	-25.0	-4.7
-24.0	-3.6	-24.0	-4.7	-24.0	-4.8	-24.0	-4.0	-24.0	-3.7
-23.0	-2.6	-23.0	-3.7	-23.0	-3.8	-23.0	-3.0	-23.0	-2.8
-22.0	-1.6	-22.0	-2.7	-22.0	-2.8	-22.0	-2.1	-22.0	-1.8
-21.0	-0.7	-21.0	-1.7	-21.0	-1.9	-21.0	-1.1	-21.0	-0.8
-20.0	0.3	-20.0	-0.8	-20.0	-0.9	-20.0	-0.1	-20.0	0.1
-19.0	1.2	-19.0	0.2	-19.0	0.1	-19.0	0.9	-19.0	1.1
-18.0	2.1	-18.0	1.1	-18.0	1.0	-18.0	1.8	-18.0	2.0
-17.0	3.0	-17.0	2.1	-17.0	2.0	-17.0	2.8	-17.0	2.9
-16.0	3.9	-16.0	3.0	-16.0	2.9	-16.0	3.7	-16.0	3.8
-15.0	4.7	-15.0	3.9	-15.0	3.9	-15.0	4.6	-15.0	4.6
-14.0	5.5	-14.0	4.8	-14.0	4.8	-14.0	5.5	-14.0	5.3
-13.0	6.3	-13.0	5.6	-13.0	5.6	-13.0	6.3	-13.0	6.0
-12.0	7.0	-12.0	6.4	-12.0	6.5	-12.0	7.1	-12.0	6.6
-11.0	7.6	-11.0	7.1	-11.0	7.2	-11.0	7.8	-11.0	7.2
-10.0	8.0	-10.0	7.8	-10.0	8.0	-10.0	8.6	-10.0	7.7
-9.0	8.2	-9.0	8.5	-9.0	8.7	-9.0	9.2	-9.0	8.3
-8.0	8.2	-8.0	9.0	-8.0	9.4	-8.0	9.9	-8.0	8.9
-7.0	8.0	-7.0	9.5	-7.0	10.0	-7.0	10.4	-7.0	9.4
-6.0	7.9	-6.0	9.7	-6.0	10.5	-6.0	11.0	-6.0	9.9
-5.0	7.8	-5.0	9.9	-5.0	10.9	-5.0	11.4	-5.0	10.3
-4.0	7.8	-4.0	9.9	-4.0	11.2	-4.0	11.7	-4.0	10.6
-3.0	7.9	-3.0	9.8	-3.0	11.5	-3.0	12.0	-3.0	10.6
-2.0	8.1	-2.0	9.7	-2.0	11.6	-2.0	12.2	-2.0	10.6
-1.0	8.0	-1.0	9.7	-1.0	11.8	-1.0	12.4	-1.0	10.6
0.0	7.7	0.0	9.8	0.0	11.8	0.0	12.5	0.0	10.6