

Typical Performance Data @ 0dB Attenuation

FREQUENCY (GHz)	GAIN (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		Pout @ 1 dB COMPRESSION (dBm)	Pout at SATURATION (dBm)	Output IP3 (dBm)	Noise Figure (dB)
			IN	OUT				
20	49.46	52.13	22.32	16.62	29.79	30.84	32.80	4.07
21	51.02	53.86	23.58	17.55	30.68	31.29	34.49	3.84
22	52.00	56.82	23.08	19.67	31.38	32.14	35.58	3.60
23	52.45	49.62	21.83	21.13	31.63	32.50	36.19	3.40
24	52.52	47.90	20.88	20.65	31.55	32.64	36.43	3.29
25	52.29	52.00	20.22	20.24	31.65	32.91	36.22	3.33
26	51.73	48.48	19.83	20.02	31.45	32.80	36.30	3.31
27	50.84	44.15	19.64	19.94	31.47	32.71	37.43	3.36
28	50.01	42.19	19.42	19.23	30.38	32.12	37.79	3.47
29	49.66	42.26	19.00	18.92	30.60	31.62	36.31	3.49
30	49.82	45.21	18.34	20.08	31.27	32.24	36.50	3.53
31	50.28	42.03	17.54	20.79	31.47	32.61	37.36	3.57
32	50.83	39.26	16.76	20.30	31.44	32.76	39.01	3.62
33	51.46	41.88	16.04	19.01	31.41	32.70	39.91	3.76
34	52.30	37.66	15.49	18.55	31.19	32.60	39.00	3.87
35	53.13	39.05	15.13	18.96	31.02	32.35	38.44	3.97
36	53.87	36.12	14.89	19.93	30.93	32.26	38.04	4.10
37	54.38	36.76	14.65	20.70	30.84	32.09	38.33	4.16
38	54.48	36.97	14.47	22.03	30.62	31.83	38.55	4.21
39	54.05	34.03	14.36	26.02	30.48	31.23	38.46	4.29
40	53.10	33.94	14.42	30.71	30.21	31.12	38.57	4.38
41	51.82	35.34	14.73	28.94	29.88	30.59	39.69	4.47
42	50.49	39.98	15.28	26.50	29.54	30.26	38.53	4.55
43	49.37	37.43	15.99	27.19	29.05	29.65	38.18	4.65
44	48.62	41.86	16.68	25.38	28.52	29.39	38.18	4.73
45	48.30	35.26	17.15	22.24	27.92	28.84	37.32	4.73
46	48.35	37.83	17.17	19.93	27.50	28.43	36.29	4.70
47	48.28	38.59	16.75	18.61	27.20	28.01	35.33	4.69
48	47.91	36.99	16.09	17.88	26.93	27.97	33.96	4.49
49	47.47	37.38	15.48	17.09	27.04	28.04	34.48	4.50
50	47.01	36.50	15.07	15.83	27.17	28.29	34.20	4.86
51	46.53	39.23	15.00	14.95	27.21	28.54	34.25	5.07
52	46.14	39.15	15.24	15.06	26.76	28.45	35.34	5.03
53	45.60	41.24	15.73	15.25	26.06	28.16	35.10	4.96
54	44.79	43.65	16.40	15.53	25.46	27.81	35.32	5.43

Typical Gain over Attenuation

FREQUENCY (GHz)	GAIN							
	1 dB	2 dB	3 dB	4 dB	5 dB	10 dB	15 dB	17 dB
20	48.51	47.73	46.61	45.54	44.48	39.76	34.85	32.82
21	50.11	49.36	48.28	47.22	46.20	41.54	36.60	34.55
22	51.12	50.38	49.31	48.27	47.26	42.65	37.70	35.64
23	51.57	50.83	49.77	48.73	47.73	43.14	38.19	36.13
24	51.64	50.89	49.82	48.79	47.78	43.22	38.28	36.22
25	51.40	50.64	49.56	48.52	47.51	42.99	38.06	36.00
26	50.82	50.05	48.97	47.93	46.92	42.44	37.53	35.48
27	49.91	49.14	48.06	47.01	46.00	41.57	36.68	34.66
28	49.05	48.28	47.19	46.13	45.13	40.72	35.88	33.87
29	48.70	47.90	46.80	45.72	44.71	40.32	35.50	33.51
30	48.83	48.00	46.88	45.78	44.76	40.34	35.55	33.58
31	49.25	48.40	47.26	46.15	45.11	40.67	35.86	33.91
32	49.77	48.92	47.81	46.68	45.64	41.15	36.33	34.40
33	50.38	49.55	48.44	47.29	46.24	41.64	36.76	34.83
34	51.16	50.31	49.19	48.01	46.93	42.11	37.00	34.96
35	51.96	51.11	50.01	48.81	47.72	42.77	37.40	35.24
36	52.70	51.86	50.80	49.61	48.54	43.57	38.10	35.89
37	53.21	52.40	51.36	50.17	49.11	44.16	38.66	36.45
38	53.30	52.50	51.47	50.27	49.21	44.26	38.74	36.54
39	52.85	52.08	51.07	49.87	48.81	43.84	38.26	36.06
40	51.90	51.17	50.17	48.99	47.94	42.98	37.34	35.13
41	50.64	49.92	48.94	47.77	46.73	41.77	36.10	33.90
42	49.31	48.61	47.61	46.46	45.42	40.43	34.71	32.51
43	48.20	47.51	46.53	45.38	44.35	39.32	33.51	31.30
44	47.45	46.78	45.80	44.68	43.66	38.60	32.74	30.53
45	47.11	46.43	45.45	44.34	43.32	38.26	32.41	30.23
46	47.13	46.43	45.44	44.32	43.29	38.19	32.42	30.31
47	47.04	46.35	45.34	44.22	43.18	38.02	32.31	30.28
48	46.66	45.98	44.97	43.86	42.81	37.60	31.91	29.94
49	46.22	45.54	44.53	43.43	42.38	37.13	31.50	29.60
50	45.74	45.08	44.08	42.98	41.93	36.66	31.15	29.36
51	45.27	44.62	43.64	42.56	41.53	36.35	31.01	29.34
52	44.91	44.26	43.30	42.24	41.24	36.20	31.11	29.55
53	44.36	43.72	42.77	41.73	40.76	35.88	31.09	29.65
54	43.54	42.91	42.01	40.97	40.02	35.26	30.72	29.34