

Typical Performance Data @ +25°C

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	45.23	76.69	18.19	16.67	29.78	30.83	36.41	4.32
21	47.05	68.46	21.99	19.80	30.80	31.36	38.30	4.00
22	48.21	71.04	22.62	21.97	31.41	32.27	39.42	3.66
23	48.75	65.84	21.46	22.34	31.66	32.69	40.59	3.62
24	48.87	74.49	21.83	21.25	31.63	32.82	40.37	3.35
25	48.64	69.95	22.19	21.63	31.54	32.79	40.89	3.37
26	48.02	79.70	21.45	21.02	31.76	32.95	40.81	3.48
27	47.05	68.20	20.60	18.56	31.83	33.07	42.36	3.65
28	46.18	67.92	20.00	19.07	30.48	32.25	40.88	3.83
29	45.86	63.94	19.44	22.96	30.72	31.77	39.89	3.90
30	46.02	60.26	18.37	27.74	31.36	32.46	41.29	4.00
31	46.56	54.62	18.55	31.28	31.74	32.79	41.82	3.99
32	47.21	68.78	18.47	27.99	31.70	32.90	42.09	4.09
33	47.84	62.57	16.88	23.13	31.65	32.80	43.12	4.16
34	48.47	62.21	14.68	19.02	31.36	32.85	41.21	4.22
35	49.21	54.70	13.46	16.49	31.08	32.51	41.05	4.29
36	50.04	59.88	13.17	15.64	31.08	32.45	41.23	4.43
37	50.69	48.35	13.71	17.10	30.90	32.24	40.82	4.53
38	50.96	45.87	14.83	20.44	30.79	31.90	40.64	4.57
39	50.77	47.31	16.55	24.53	30.57	31.82	41.45	4.66
40	50.10	51.61	18.80	22.12	30.40	31.14	41.35	4.68
41	49.07	52.14	20.87	19.34	29.94	30.66	42.66	4.79
42	47.85	50.48	21.48	18.91	29.38	30.56	43.23	4.63
43	46.83	49.13	21.56	18.65	28.95	29.95	43.48	4.72
44	46.09	56.63	22.50	18.62	28.67	29.74	42.73	4.66
45	45.70	53.28	27.17	18.18	28.04	29.27	40.56	4.79
46	45.59	63.55	30.33	15.86	27.56	28.90	39.92	4.74
47	45.45	66.20	23.80	13.49	26.99	28.73	39.56	4.75
48	45.11	56.40	21.99	12.08	26.86	28.74	39.49	4.90
49	44.66	57.23	21.17	11.04	27.08	28.91	39.63	5.05
50	44.22	52.62	22.43	10.61	27.00	28.71	39.50	5.02
51	43.89	60.73	30.53	11.96	27.08	28.53	39.19	5.17
52	43.76	66.95	29.47	14.92	26.67	29.01	39.41	5.11
53	43.78	63.07	22.47	17.63	25.73	28.85	39.08	5.14
54	43.29	52.06	23.50	16.08	25.45	28.35	38.08	5.37

Typical Gain over Attenuation

FREQUENCY (GHz)	GAIN				
	-20°C	0°C	25°C	35°C	60°C
20	45.08	44.63	45.23	45.65	46.52
21	46.97	46.50	47.05	47.44	48.20
22	48.17	47.69	48.21	48.58	49.28
23	48.71	48.24	48.75	49.10	49.79
24	48.85	48.37	48.87	49.20	49.91
25	48.65	48.16	48.64	48.95	49.65
26	48.09	47.59	48.02	48.30	48.98
27	47.19	46.67	47.05	47.30	47.95
28	46.33	45.81	46.18	46.43	47.11
29	45.99	45.48	45.86	46.11	46.85
30	46.11	45.62	46.02	46.32	47.07
31	46.62	46.13	46.56	46.84	47.58
32	47.27	46.78	47.21	47.48	48.15
33	47.91	47.40	47.84	48.12	48.75
34	48.47	47.96	48.47	48.78	49.45
35	49.14	48.65	49.21	49.53	50.19
36	50.03	49.52	50.04	50.35	50.90
37	50.84	50.27	50.69	50.96	51.37
38	51.34	50.68	50.96	51.16	51.40
39	51.39	50.63	50.77	50.89	50.92
40	50.92	50.08	50.10	50.09	49.95
41	50.02	49.12	49.07	48.99	48.73
42	48.78	47.88	47.85	47.75	47.43
43	47.66	46.80	46.83	46.70	46.40
44	46.83	46.01	46.09	45.92	45.61
45	46.41	45.61	45.70	45.54	45.20
46	46.30	45.48	45.59	45.44	45.11
47	46.17	45.34	45.45	45.26	44.91
48	45.91	45.03	45.11	44.88	44.47
49	45.52	44.61	44.66	44.39	43.93
50	45.13	44.19	44.22	43.91	43.34
51	44.97	43.98	43.89	43.53	42.81
52	45.04	44.00	43.76	43.32	42.48
53	45.31	44.18	43.78	43.29	42.30
54	44.89	43.70	43.29	42.82	41.83