

## Typical Performance Data

VDS (V)	IDS <sup>(2)</sup> (mA)						
	@ VGS=						
	-1.00V	-0.90V	-0.8V	-0.7V	-0.6V	-0.4V	-0.2V
0.00	-0.01	-0.01	0.03	0.04	-0.01	-0.12	-0.14
0.10	1.32	3.19	8.04	14.00	19.61	28.89	34.79
0.20	1.67	4.87	12.63	23.34	34.52	54.04	67.14
0.30	1.85	5.85	15.15	28.87	44.46	74.08	95.598
0.40	1.98	6.53	16.73	32.10	50.52	88.67	120.14
0.50	2.11	7.05	17.86	34.12	54.08	98.28	138.3
0.60	2.22	7.46	18.72	35.53	56.26	104.20	150.94
0.70	2.32	7.79	19.41	36.62	57.79	107.32	158.6
0.80	2.43	8.09	20.01	37.56	59.04	109.22	162.68
0.90	2.52	8.37	20.56	38.39	60.11	110.60	164.94
1.00	2.62	8.63	21.08	39.15	61.07	111.72	166.36
1.10	2.71	8.88	21.56	39.86	61.95	112.68	167.34
1.20	2.80	9.12	22.02	40.53	62.78	113.52	168.08
1.30	2.89	9.36	22.45	41.16	63.55	114.24	168.62
1.40	2.98	9.59	22.87	41.77	64.27	114.88	169.04
1.50	3.06	9.82	23.30	42.35	64.97	115.48	169.34
1.60	3.15	10.07	23.75	42.95	65.64	116.02	169.62
1.70	3.25	10.36	24.27	43.58	66.30	116.52	169.84
1.80	3.37	10.73	24.89	44.31	66.96	117.02	170.00
1.90	3.52	11.20	25.67	45.16	67.66	117.48	170.18
2.00	3.69	11.79	26.61	46.04	68.36	117.92	170.30
2.10	3.88	12.50	27.60	46.97	69.08	118.32	170.26
2.20	4.10	13.07	28.39	47.86	69.78	118.72	170.18
2.30	4.29	13.50	29.01	48.62	70.41	119.12	170.18
2.40	4.45	13.85	29.51	49.24	71.02	119.50	170.26
2.50	4.58	14.15	29.93	49.77	71.57	119.84	170.46
2.60	4.70	14.40	30.28	50.22	72.06	120.24	170.70
2.70	4.81	14.63	30.62	50.62	72.51	120.56	171.12
2.80	4.90	14.82	30.90	50.98	72.92	120.90	171.26
2.90	4.98	15.01	31.17	51.30	73.30	121.20	171.42
3.00	5.07	15.19	31.42	51.61	73.65	121.50	171.60
3.10	5.15	15.35	31.65	51.88	73.98	121.82	171.80
3.20	5.22	15.50	31.86	52.16	74.28	122.16	171.98
3.30	5.30	15.65	32.08	52.41	74.57	122.46	172.14
3.40	5.37	15.80	32.27	52.65	74.85	122.84	172.28
3.50	5.44	15.93	32.47	52.88	75.12	123.20	--
3.60	5.51	16.06	32.65	53.11	75.39	123.58	--
3.70	5.57	16.19	32.83	53.33	75.65	123.96	--
3.80	5.64	16.32	33.00	53.53	75.90	124.32	--
3.90	5.70	16.44	33.17	53.74	76.17	124.68	--
4.00	5.77	16.56	33.34	53.95	76.42	125.04	--
4.10	5.83	16.68	33.50	54.16	76.69	125.36	--
4.20	5.90	16.80	33.68	54.36	76.96	125.68	--
4.30	5.97	16.92	33.84	54.56	77.23	125.96	--
4.40	6.03	17.04	34.00	54.77	77.52	126.28	--
4.50	6.10	17.16	34.17	54.98	77.80	126.54	--
4.60	6.16	17.28	34.33	55.19	78.10	126.74	--
4.70	6.23	17.39	34.50	55.41	78.41	127.00	--
4.80	6.30	17.51	34.67	55.63	78.71	--	--
4.90	6.37	17.64	34.84	55.86	79.03	--	--
5.00	6.44	17.76	35.01	56.09	79.35	--	--



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IF/RF MICROWAVE COMPONENTS

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 SAV-541+  
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## Typical Performance Data

FREQ (GHz)	GAIN vs FREQ & TEMPERATURE <sup>(1)</sup> @ VDS=4V, IDS=60mA			NOISE FIGURE vs FREQ & TEMPERATURE <sup>(1)</sup> @ VDS=4V, IDS=60mA		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
0.01	24.87	24.53	24.13	2.76	4.40	5.38
0.05	24.81	24.49	24.09	0.54	0.78	1.08
0.10	24.78	24.47	24.07	0.40	0.48	0.65
0.20	24.60	24.28	23.90	0.39	0.46	0.57
0.30	24.34	24.01	23.63	0.45	0.52	0.62
0.40	24.00	23.66	23.26	0.29	0.36	0.46
0.50	23.59	23.24	22.84	0.38	0.45	0.55
0.60	23.15	22.79	22.40	0.35	0.42	0.52
0.70	22.67	22.30	21.92	0.31	0.40	0.49
0.80	22.17	21.81	21.44	0.39	0.45	0.57
0.90	21.68	21.31	20.94	0.31	0.40	0.52
1.00	21.18	20.82	20.46	0.32	0.42	0.52
1.10	20.69	20.33	19.98	0.35	0.46	0.56
1.20	20.21	19.85	19.51	0.36	0.46	0.56
1.30	19.74	19.38	19.06	0.40	0.48	0.61
1.40	19.29	18.93	18.62	0.41	0.52	0.65
1.50	18.85	18.50	18.19	0.38	0.49	0.61
1.60	18.44	18.09	17.79	0.36	0.47	0.61
1.70	18.04	17.69	17.39	0.39	0.50	0.64
1.80	17.66	17.31	17.02	0.37	0.51	0.65
1.90	17.29	16.94	16.65	0.42	0.55	0.70
2.00	16.94	16.59	16.31	0.35	0.49	0.62
2.10	16.61	16.26	15.97	0.37	0.51	0.64
2.20	16.29	15.94	15.65	0.37	0.51	0.65
2.30	15.98	15.62	15.33	0.34	0.50	0.66
2.40	15.68	15.32	15.03	0.39	0.54	0.72
2.50	15.39	15.03	14.74	0.44	0.70	0.78
2.60	15.12	14.76	14.46	0.46	0.62	0.81
2.70	14.86	14.49	14.19	0.52	0.67	0.87
2.80	14.60	14.23	13.93	0.54	0.74	0.91
2.90	14.34	13.97	13.66	0.55	0.73	0.90
3.00	14.10	13.73	13.42	0.51	0.68	0.86
3.10	13.86	13.48	13.17	0.51	0.71	0.89
3.20	13.62	13.24	12.92	0.55	0.73	0.94
3.30	13.39	13.01	12.69	0.53	0.72	0.94
3.40	13.17	12.79	12.47	0.51	0.73	0.95
3.50	12.94	12.56	12.24	0.55	0.78	0.99
3.60	12.72	12.34	12.01	0.54	0.78	1.00
3.70	12.50	12.12	11.79	0.58	0.82	1.02
3.80	12.28	11.90	11.57	0.62	0.84	1.08
3.90	12.06	11.68	11.35	0.61	0.85	1.11
4.00	11.85	11.47	11.14	0.65	0.89	1.15

<sup>(1)</sup> Includes test board loss

<sup>(2)</sup> Drain current was allowed to increase during compression measurement

## Typical Performance Data

FREQ (GHz)	OIP3 vs FREQ & TEMPERATURE <sup>(1)</sup> @ VDS=4V, IDS=60mA			P1dB vs FREQ & TEMPERATURE <sup>(1,2)</sup> @ VDS=4V, IDS=60mA		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
0.01	31.39	30.90	30.00	18.42	19.24	19.17
0.05	31.86	32.06	31.61	18.56	19.39	19.67
0.10	32.32	32.33	31.65	18.73	19.53	19.65
0.20	32.25	32.28	31.63	18.97	19.63	19.74
0.30	32.13	32.08	31.69	18.91	19.90	20.00
0.40	32.26	32.19	31.73	19.02	19.96	19.93
0.50	32.94	32.93	32.04	19.06	19.78	19.75
0.60	32.47	32.80	32.05	19.37	20.11	20.21
0.70	32.86	33.08	32.51	19.34	20.05	20.04
0.80	32.90	33.10	32.54	19.63	20.28	20.26
0.90	33.30	33.59	32.83	19.69	20.37	20.38
1.00	33.36	33.72	32.97	19.83	20.50	20.50
1.10	33.14	33.48	32.81	20.06	20.59	20.72
1.20	32.97	33.47	32.91	20.19	20.71	20.73
1.30	34.17	34.30	33.31	20.21	20.57	20.58
1.40	33.46	34.29	33.08	20.34	20.82	20.84
1.50	33.62	34.21	33.42	20.47	20.84	20.88
1.60	34.17	34.58	33.44	20.35	20.79	20.82
1.70	34.93	35.40	34.55	20.25	20.55	20.58
1.80	35.17	35.87	34.99	20.57	21.01	21.03
1.90	34.45	34.68	34.15	20.66	21.10	21.13
2.00	35.02	35.53	34.74	20.78	21.20	21.12
2.10	35.03	35.48	34.81	20.76	21.20	21.13
2.20	34.84	35.97	35.35	20.69	21.08	21.00
2.30	35.79	36.16	35.23	20.83	21.10	21.13
2.40	35.80	36.55	35.53	20.79	21.04	20.95
2.50	35.69	36.72	35.15	21.13	21.39	21.31
2.60	35.03	36.38	35.75	21.06	21.31	21.33
2.70	34.83	34.99	35.93	21.09	21.43	21.33
2.80	36.19	37.30	35.44	21.17	21.39	21.29
2.90	35.90	36.82	36.31	21.10	21.31	21.21
3.00	36.03	37.01	36.34	21.15	21.38	21.37
3.10	35.97	36.99	36.43	21.44	21.65	21.53
3.20	36.05	37.26	36.47	21.44	21.68	21.56
3.30	36.53	37.82	37.48	21.13	21.33	21.32
3.40	36.21	38.21	36.68	21.45	21.55	21.54
3.50	36.01	37.74	36.87	21.51	21.73	21.72
3.60	36.13	38.09	37.49	21.11	21.20	21.19
3.70	35.62	37.64	36.84	21.36	21.57	21.46
3.80	36.57	38.41	37.49	21.46	21.55	21.54
3.90	36.74	38.97	37.86	21.39	21.60	21.49
4.00	36.87	38.97	37.43	21.62	21.71	21.71

<sup>(1)</sup> Includes test board loss

<sup>(2)</sup> Drain current was allowed to increase during compression measurement