Voltage Controlled Oscillator ROS-EDR11297

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4	
0.00	181.5	2248.8	2197.4	2150.2	7.8	6.9	6.3	-8.0	-32.6	-22.5	0.1
0.25	181.7	2299.2	2242.8	2193.8	8.1	7.0	6.2	-7.7	-35.4	-28.1	0.5
0.50	181.9	2349.5	2288.1	2237.5	8.5	7.1	6.2	-7.4	-38.2	-33.7	1.0
1.00	164.5	2439.8	2379.1	2326.3	8.1	6.9	6.0	-8.3	-45.7	-41.6	0.0
1.50	167.7	2522.8	2461.3	2411.8	7.7	6.4	5.5	-9.9	-47.4	-38.9	0.5
2.00	173.4	2604.8	2545.2	2498.3	7.3	6.1	5.0	-12.1	-48.0	-37.9	0.5
2.50	177.7	2686.5	2631.9	2586.8	7.1	6.0	4.6	-14.9	-60.0	-38.7	0.1
3.00	178.0	2768.7	2720.7	2678.6	7.1	5.9	4.4	-18.0	-43.7	-38.3	0.4
3.50	177.4	2852.3	2809.7	2771.7	7.3	6.0	4.0	-20.4	-36.1	-38.6	0.8
4.00	172.2	2935.9	2898.4	2864.7	7.4	6.3	4.0	-23.3	-29.9	-38.9	1.2
4.50	168.4	3017.5	2984.5	2954.8	7.8	6.7	4.0	-26.1	-28.9	-38.1	1.5
5.00	160.3	3095.9	3068.7	3041.5	8.1	7.1	4.4	-27.7	-32.8	-36.8	1.8
5.50	150.3	3172.3	3148.9	3125.6	8.5	7.5	4.9	-29.3	-38.9	-36.9	1.9
6.00	144.9	3246.2	3224.0	3205.2	8.8	7.9	5.6	-31.6	-48.5	-36.4	1.9
6.50	147.8	3315.0	3296.4	3282.9	9.1	8.2	6.0	-34.3	-44.6	-37.5	1.4
7.00	157.7	3381.5	3370.4	3358.5	9.4	8.2	6.2	-41.4	-36.3	-41.8	1.1
7.50	153.0	3453.5	3449.2	3433.0	9.1	7.7	6.2	-55.1	-33.7	-48.6	1.2
8.00	148.2	3535.9	3525.7	3506.0	8.4	7.5	6.2	-47.6	-33.4	-56.7	1.1
8.50	140.5	3613.6	3599.8	3577.0	8.1	7.4	6.2	-44.1	-32.5	-54.3	1.0
9.00	138.9	3686.4	3670.1	3646.4	8.0	7.4	6.2	-44.1	-33.6	-51.5	1.2
9.50	137.2	3754.7	3739.5	3714.4	7.9	7.2	6.0	-45.9	-34.6	-52.8	1.2
10.00	128.4	3823.2	3808.1	3779.2	7.8	7.0	5.9	-49.3	-34.8	-52.0	1.5
10.50	128.0	3887.5	3872.3	3843.6	7.6	6.8	5.8	-62.4	-35.2	-52.4	1.7
11.00	123.4	3949.8	3936.3	3908.3	7.4	6.6	5.3	-56.1	-35.6	-54.7	1.7
11.50	122.9	4012.1	3998.0	3970.5	7.2	6.4	5.0	-53.8	-36.6	-56.3	2.2
12.00	123.1	4070.5	4059.5	4033.9	7.0	6.2	4.5	-46.0	-36.3	-55.7	1.7
12.50	112.5	4133.5	4121.0	4091.9	6.6	5.7	4.1	-42.1	-36.5	-54.9	2.1
13.00	123.0	4189.2	4177.3	4153.5	6.4	5.7	3.9	-39.0	-36.6	-53.6	2.1
13.50	111.9	4249.1	4238.8	4212.5	6.2	5.3	3.1	-35.6	-36.1	-54.4	2.0
14.00	109.8	4307.9	4294.7	4266.3	5.8	5.0	3.5	-32.7	-36.2	-52.6	2.6
14.50	108.5	4364.4	4349.6	4325.8	5.6	4.8	3.0	-30.3	-35.9	-52.6	2.4
15.00	112.9	4418.3	4403.9	4380.1	5.3	4.7	3.0	-27.5	-36.6	-51.2	2.5
15.50	101.0	4473.2	4460.4	4435.3	5.1	4.3	2.5	-25.8	-36.0	-52.5	2.4
16.00	102.7	4529.7	4510.8	4484.4	4.9	4.3	2.7	-24.7	-36.8	-52.4	3.3
16.50	75.0	4578.3	4562.2	4534.9	4.9	4.0	2.5	-23.1	-37.6	-51.3	4.4
17.00	72.6	4619.3	4599.7	4578.3	4.7	4.2	2.6	-22.0	-37.2	-52.6	4.4
17.50	53.1	4658.1	4636.0	4608.9	4.7	3.8	2.6	-23.0	-38.3	-51.9	4.3
18.00	32.3	4680.6	4662.5	4636.3	4.8	4.0	2.0	-23.0	-38.0	-51.6	4.2
18.50	21.5	4696.4	4678.7	4657.9	4.7	4.1	2.3	-22.5	-37.9	-50.6	3.7

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-52
10	-84
100	-109
1000	-129