Voltage Controlled Oscillator ROS-ED10277/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55ºC	+25ºC	+85ºC	-55ºC	+25ºC	+85ºC	F2	F3	F4	
0.1	16.29	272.6	271.1	269.9	7.14	6.87	6.75	-22.6	-35.2	-36.4	0.99
0.3	15.92	274.5	273.1	271.9	7.12	6.91	6.74	-22.6	-35.1	-36.0	1.01
0.4	15.68	276.4	275.0	273.9	7.10	6.89	6.78	-22.8	-35.4	-36.5	1.03
0.5	15.23	278.2	277.0	275.8	7.12	6.88	6.76	-22.9	-35.6	-36.6	1.04
0.6	15.09	280.1	278.8	277.7	7.09	6.88	6.78	-23.0	-35.7	-36.7	1.05
0.8	15.01	281.9	280.7	279.6	7.06	6.86	6.74	-23.2	-36.1	-37.0	1.06
0.9	14.85	283.7	282.6	281.5	7.09	6.89	6.72	-23.4	-36.3	-36.9	1.07
1.0	14.70	285.5	284.4	283.4	7.07	6.87	6.75	-23.4	-36.4	-36.8	1.09
1.1	14.50	287.2	286.2	285.2	7.02	6.84	6.72	-23.6	-36.4	-37.1	1.11
1.3	14.24	288.9	288.0	287.0	7.05	6.86	6.68	-23.7	-36.6	-37.2	1.13
1.4	13.94	290.5	289.7	288.8	7.01	6.81	6.71	-24.0	-36.7	-37.6	1.15
1.5	13.62	292.1	291.4	290.5	6.98	6.78	6.67	-24.0	-36.8	-37.3	1.17
1.6	13.28	293.7	293.1	292.2	7.00	6.80	6.63	-24.1	-36.7	-37.0	1.19
1.8	12.86	295.2	294.7	293.9	6.96	6.77	6.66	-24.2	-36.8	-37.0	1.23
1.9	12.57	296.6	296.3	295.5	6.93	6.73	6.62	-24.4	-36.4	-36.8	1.28
2.0	12.32	298.1	297.8	297.1	6.95	6.76	6.59	-24.4	-36.3	-36.3	1.35
2.1	12.13	299.5	299.3	298.7	6.92	6.72	6.61	-24.5	-36.0	-35.9	1.43
2.3	11.97	300.9	300.8	300.3	6.88	6.68	6.58	-24.6	-36.1	-35.1	1.51
2.4	11.83	302.2	302.3	301.8	6.83	6.63	6.55	-24.7	-35.7	-34.9	1.57
2.5	11.63	303.6	303.8	303.3	6.85	6.67	6.58	-24.7	-35.8	-34.7	1.61
2.6	11.38	305.0	305.2	304.8	6.80	6.63	6.55	-24.7	-35.2	-34.2	1.66
2.8	11.17	306.3	306.6	306.2	6.73	6.60	6.52	-24.7	-35.3	-33.6	1.69
2.9	10.98	307.7	308.0	307.6	6.73	6.62	6.55	-24.8	-35.0	-33.2	1.73
3.0	10.75	309.0	309.3	309.0	6.67	6.59	6.52	-24.7	-35.3	-32.7	1.77
3.1	10.57	310.2	310.6	310.4	6.61	6.55	6.50	-24.7	-34.7	-32.3	1.81
3.3	10.33	311.5	311.9	311.7	6.55	6.53	6.47	-24.7	-34.5	-32.2	1.85
3.4	10.11	312.7	313.2	313.1	6.57	6.56	6.51	-24.7	-34.4	-31.8	1.89
3.5	9.95	313.9	314.4	314.4	6.51	6.53	6.49	-24.6	-34.7	-31.6	1.92
3.6	9.66	315.0	315.6	315.6	6.47	6.50	6.47	-24.6	-34.4	-31.4	1.96
3.8	9.50	316.2	316.8	316.9	6.42	6.48	6.46	-24.6	-34.3	-31.3	1.99
3.9	9.25	317.3	318.0	318.1	6.38	6.51	6.49	-24.5	-34.3	-31.3	2.02
4.0	8.93	318.3	319.1	319.3	6.39	6.49	6.47	-24.5	-34.3	-31.3	2.04
4.1	8.74	319.4	320.2	320.4	6.36	6.48	6.46	-24.4	-34.6	-31.2	2.06
4.3	8.45	320.4	321.2	321.5	6.33	6.47	6.45	-24.3	-34.4	-31.5	2.08
4.4	8.22	321.4	322.3	322.6	6.30	6.45	6.45	-24.3	-34.5	-31.5	2.09
4.5	7.97	322.4	323.3	323.6	6.28	6.47	6.44	-24.2	-34.9	-31.7	2.11
4.6	7.74	323.3	324.2	324.7	6.28	6.46	6.43	-24.1	-34.3	-32.2	2.12
4.8	7.46	324.2	325.2	325.6	6.26	6.46	6.41	-24.2	-34.8	-32.4	2.14
4.9	7.26	325.1	326.1	326.6	6.24	6.45	6.40	-24.1	-34.8	-32.7	2.15
5.0	7.07	326.0	327.0	327.5	6.23	6.45	6.38	-24.0	-35.0	-33.3	2.17
5.1	6.86	326.8	327.8	328.4	6.22	6.48	6.40	-24.0	-35.2	-33.5	2.19
5.3	6.74	327.7	328.7	329.3	6.24	6.48	6.39	-24.0	-35.3	-34.2	2.21
5.4	6.59	328.5	329.5	330.1	6.23	6.49	6.37	-23.7	-35.4	-34.5	2.23
5.5	6.45	329.3	330.3	330.9	6.22	6.49	6.35	-23.8	-35.3	-35.0	2.26
5.6	6.34	330.1	331.1	331.7	6.21	6.49	6.34	-23.8	-35.0	-35.6	2.29
5.8	6.28	330.9	331.9	332.5	6.20	6.49	6.33	-23.7	-35.3	-36.7	2.32
5.9	6.22	331.8	332.6	333.3	6.19	6.5	6.31	-23.6	-35.5	-37.3	2.35
6.0	6.13	332.6	333.4	334.1	6.20	6.50	6.29	-23.5	-35.3	-37.3	2.38

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-92
10	-118
100	-138
1000	-156