

Voltage Controlled Oscillator

ROS-ED9577/2

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
0.2	8.76	303.5	301.5	301.0	5.67	5.48	5.33	-24.9	-29.8	-27.4	0.57	1	-95
0.4	7.99	305.2	303.1	302.5	5.62	5.54	5.38	-24.8	-29.5	-27.2	0.42	10	-120
0.6	7.60	306.9	304.6	304.0	5.57	5.51	5.35	-24.9	-29.4	-27.1	0.33	100	-140
0.8	7.57	308.4	306.2	305.5	5.62	5.49	5.31	-25.0	-29.7	-27.2	0.29	1000	-160
1.0	7.85	310.1	307.7	307.0	5.57	5.54	5.28	-25.0	-29.6	-27.2	0.27		
1.2	8.09	311.7	309.3	308.5	5.51	5.52	5.33	-25.1	-29.6	-27.1	0.28		
1.4	8.32	313.4	311.0	310.2	5.52	5.49	5.30	-25.0	-29.5	-27.1	0.31		
1.6	8.48	315.1	312.7	311.8	5.45	5.54	5.27	-25.1	-29.5	-27.1	0.36		
1.8	8.61	316.7	314.4	313.5	5.39	5.52	5.32	-25.1	-29.4	-27.1	0.44		
2.0	8.58	318.3	316.1	315.2	5.40	5.50	5.30	-25.1	-29.4	-27.1	0.54		
2.2	8.49	319.9	317.8	316.9	5.35	5.56	5.27	-25.1	-29.3	-27.0	0.65		
2.4	8.40	321.5	319.5	318.6	5.30	5.54	5.33	-25.1	-29.3	-26.9	0.77		
2.6	8.14	322.9	321.1	320.3	5.31	5.51	5.30	-25.1	-29.2	-26.7	0.88		
2.8	8.04	324.4	322.8	321.9	5.28	5.53	5.26	-25.2	-29.3	-26.6	1.00		
3.0	7.82	325.8	324.3	323.5	5.26	5.49	5.28	-25.1	-29.3	-26.5	1.10		
3.2	7.64	327.2	325.8	325.1	5.25	5.45	5.23	-25.3	-29.5	-26.4	1.20		
3.4	7.40	328.5	327.3	326.6	5.32	5.40	5.19	-25.3	-29.6	-26.3	1.29		
3.6	7.14	329.8	328.8	328.1	5.32	5.43	5.22	-25.4	-29.7	-26.3	1.37		
3.8	6.85	331.0	330.1	329.5	5.32	5.38	5.18	-25.4	-29.9	-26.1	1.45		
4.0	6.56	332.2	331.4	330.8	5.34	5.34	5.13	-25.5	-30.1	-26.0	1.51		
4.2	6.22	333.3	332.7	332.1	5.41	5.36	5.09	-25.6	-30.2	-26.1	1.58		
4.4	6.00	334.4	333.9	333.3	5.43	5.33	5.11	-25.6	-30.4	-26.0	1.63		
4.6	5.71	335.4	335.0	334.5	5.46	5.29	5.07	-25.5	-30.5	-26.0	1.66		
4.8	5.41	336.4	336.1	335.6	5.48	5.27	5.04	-25.5	-30.5	-26.0	1.69		
5.0	5.17	337.4	337.1	336.7	5.50	5.25	5.01	-25.5	-30.7	-26.0	1.71		
5.2	4.89	338.4	338.1	337.6	5.55	5.26	5.01	-25.4	-30.8	-25.9	1.74		
5.4	4.67	339.3	339.0	338.6	5.56	5.24	4.98	-25.4	-30.8	-25.8	1.74		
5.6	4.43	340.2	339.9	339.5	5.57	5.22	4.96	-25.3	-31.0	-25.9	1.73		
5.8	4.17	341.0	340.8	340.3	5.58	5.21	4.94	-25.3	-31.0	-25.8	1.72		
6.0	3.95	341.8	341.6	341.1	5.57	5.19	4.92	-25.1	-31.1	-25.8	1.70		
6.2	3.72	342.5	342.3	341.8	5.58	5.17	4.89	-25.2	-31.2	-25.9	1.67		
6.4	3.53	343.3	343.0	342.5	5.57	5.18	4.87	-25.2	-31.1	-25.9	1.63		
6.6	3.29	344.0	343.7	343.1	5.56	5.17	4.88	-25.1	-31.2	-25.9	1.58		
6.8	3.10	344.6	344.3	343.7	5.55	5.16	4.86	-25.1	-31.2	-26.0	1.52		
7.0	2.86	345.2	344.9	344.2	5.53	5.14	4.85	-25.0	-31.2	-26.0	1.45		
7.2	2.67	345.8	345.4	344.7	5.52	5.13	4.83	-25.1	-31.3	-25.9	1.39		
7.4	2.48	346.4	345.9	345.2	5.50	5.12	4.82	-25.1	-31.4	-26.0	1.31		
7.6	2.27	346.9	346.3	345.6	5.48	5.10	4.81	-24.9	-31.4	-26.0	1.23		
7.8	2.08	347.4	346.8	345.9	5.46	5.09	4.79	-25.1	-31.5	-26.0	1.16		
8.0	1.90	347.9	347.1	346.3	5.44	5.08	4.78	-25.1	-31.4	-26.0	1.07		