

# Voltage Controlled Oscillator

ROS-ED9727/1

## 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			
0.3	5.48	900.6	896.6	893.7	2.82	3.47	3.77	-36.9	-32.2	-34.4	0.44	1 10 100 1000	-90 -111 -131 -151
0.5	4.77	901.7	897.8	894.9	2.84	3.44	3.79	-37.3	-32.0	-34.0	0.44		
0.8	4.25	902.7	898.9	896.0	2.79	3.46	3.80	-37.2	-32.0	-33.8	0.44		
1.0	3.95	903.7	899.9	897.0	2.81	3.47	3.82	-37.2	-31.6	-33.3	0.44		
1.3	3.67	904.6	900.8	897.9	2.82	3.49	3.79	-37.2	-31.9	-33.2	0.43		
1.5	3.55	905.5	901.7	898.8	2.83	3.49	3.80	-37.3	-31.7	-33.2	0.44		
1.8	3.37	906.3	902.5	899.7	2.85	3.45	3.81	-36.8	-31.8	-33.1	0.46		
2.0	3.28	907.1	903.3	900.5	2.87	3.46	3.82	-37.0	-31.6	-33.1	0.46		
2.3	3.20	907.9	904.1	901.3	2.82	3.48	3.83	-36.8	-31.8	-32.9	0.46		
2.5	3.12	908.7	904.9	902.1	2.83	3.49	3.84	-36.8	-31.7	-32.4	0.45		
2.8	3.11	909.5	905.7	902.9	2.85	3.49	3.79	-37.0	-31.6	-32.4	0.45		
3.0	3.10	910.3	906.5	903.6	2.86	3.51	3.80	-37.3	-31.7	-32.3	0.45		
3.3	3.04	911.1	907.2	904.4	2.88	3.52	3.82	-36.9	-31.3	-32.3	0.47		
3.5	3.05	911.8	908.0	905.1	2.89	3.47	3.82	-37.0	-31.4	-32.0	0.47		
3.8	3.07	912.6	908.7	905.9	2.88	3.49	3.83	-36.9	-31.4	-32.0	0.47		
4.0	3.07	913.4	909.5	906.6	2.89	3.51	3.84	-36.7	-31.4	-31.8	0.47		
4.3	3.07	914.1	910.3	907.4	2.91	3.52	3.86	-37.1	-31.5	-31.8	0.47		
4.5	3.10	914.9	911.1	908.2	2.93	3.53	3.81	-36.4	-31.3	-31.7	0.47		
4.8	3.16	915.7	911.8	909.0	2.95	3.55	3.82	-36.6	-31.3	-31.5	0.49		
5.0	3.21	916.5	912.6	909.7	2.97	3.53	3.83	-37.0	-31.3	-31.3	0.49		
5.3	3.24	917.4	913.5	910.5	2.99	3.54	3.85	-36.9	-31.4	-31.4	0.49		
5.5	3.26	918.2	914.3	911.4	2.94	3.56	3.87	-36.9	-31.2	-31.4	0.49		
5.8	3.38	919.1	915.1	912.2	2.97	3.58	3.88	-36.7	-31.1	-31.1	0.51		
6.0	3.43	919.9	916.0	913.0	2.99	3.60	3.86	-36.7	-31.0	-31.0	0.49		
6.3	3.49	920.8	916.9	913.9	3.02	3.63	3.88	-36.7	-31.2	-31.0	0.51		
6.5	3.59	921.7	917.7	914.8	3.04	3.58	3.90	-36.6	-31.1	-30.6	0.53		
6.8	3.68	922.7	918.7	915.7	3.03	3.60	3.92	-36.6	-30.9	-30.6	0.53		
7.0	3.72	923.6	919.6	916.6	3.06	3.63	3.94	-36.4	-30.9	-30.3	0.53		
7.3	3.86	924.6	920.6	917.6	3.09	3.65	3.89	-36.0	-31.0	-30.3	0.53		
7.5	3.94	925.6	921.5	918.5	3.12	3.68	3.91	-36.4	-30.9	-30.0	0.53		
7.8	4.00	926.6	922.5	919.5	3.15	3.66	3.94	-36.4	-30.9	-29.9	0.55		
8.0	4.12	927.7	923.6	920.5	3.12	3.69	3.96	-36.2	-31.0	-29.8	0.53		
8.3	4.16	928.8	924.6	921.5	3.14	3.72	3.99	-36.4	-30.9	-29.8	0.55		
8.5	4.21	929.8	925.7	922.6	3.17	3.75	3.97	-36.5	-30.7	-29.5	0.56		
8.8	4.32	930.9	926.7	923.6	3.20	3.78	4.00	-36.1	-30.8	-29.4	0.54		
9.0	4.30	932.0	927.8	924.7	3.23	3.74	4.02	-36.1	-30.8	-29.4	0.55		
9.3	4.39	933.1	928.9	925.8	3.22	3.77	4.05	-36.1	-30.9	-29.3	0.54		
9.5	4.32	934.2	930.0	926.9	3.24	3.80	4.07	-35.7	-30.7	-29.3	0.55		
9.8	4.39	935.3	931.1	928.0	3.26	3.82	4.04	-35.5	-30.7	-29.3	0.55		
10.0	4.32	936.4	932.2	929.0	3.28	3.85	4.06	-35.5	-30.7	-29.4	0.55		
10.3	4.30	937.5	933.3	930.1	3.27	3.83	4.08	-35.4	-30.7	-29.4	0.54		
10.5	4.20	938.6	934.3	931.2	3.29	3.84	4.10	-35.1	-30.8	-29.4	0.54		
10.8	4.17	939.6	935.3	932.2	3.30	3.86	4.12	-35.1	-30.7	-29.3	0.53		
11.0	4.07	940.6	936.4	933.2	3.31	3.87	4.10	-35.2	-30.9	-29.6	0.51		
11.3	4.05	941.6	937.4	934.2	3.31	3.89	4.12	-34.8	-30.6	-29.5	0.49		
11.5	3.92	942.6	938.4	935.2	3.29	3.86	4.13	-34.7	-30.7	-29.5	0.49		
11.8	3.84	943.5	939.3	936.2	3.28	3.88	4.14	-34.6	-31.0	-29.8	0.45		
12.0	3.76	944.5	940.3	937.1	3.28	3.88	4.15	-34.2	-30.8	-29.8	0.41		



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