

Voltage Controlled Oscillator

ROS-ED9704A/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	13.94	887.1	883.7	880.2	3.16	3.79	4.00	-38.1	-34.1	-36.7	0.42	1	-84
0.5	13.40	890.5	887.1	883.6	3.19	3.87	4.06	-38.3	-33.9	-35.8	0.42	10	-108
0.8	13.28	893.9	890.4	886.9	3.21	3.89	4.13	-38.3	-33.8	-35.2	0.44	100	-128
1.0	13.35	897.3	893.7	890.1	3.26	3.90	4.16	-37.9	-33.8	-34.1	0.46	1000	-148
1.3	13.59	900.8	897.1	893.5	3.27	3.95	4.18	-38.1	-33.8	-34.2	0.48		
1.5	13.96	904.3	900.6	896.9	3.25	3.96	4.22	-38.4	-33.8	-33.4	0.49		
1.8	14.26	908.0	904.2	900.4	3.25	3.94	4.21	-38.2	-33.6	-32.8	0.51		
2.0	14.54	911.7	907.8	903.9	3.31	3.93	4.19	-38.7	-33.7	-32.3	0.51		
2.3	14.68	915.5	911.5	907.6	3.34	3.98	4.18	-38.3	-33.8	-31.6	0.53		
2.5	14.88	919.3	915.2	911.2	3.34	4.00	4.21	-38.4	-33.5	-31.4	0.53		
2.8	14.80	923.0	918.9	914.9	3.38	3.99	4.22	-38.5	-33.6	-31.2	0.53		
3.0	14.62	926.7	922.5	918.5	3.44	4.01	4.20	-38.2	-33.6	-31.7	0.48		
3.3	14.35	930.3	926.1	922.1	3.42	4.06	4.23	-37.7	-33.6	-30.8	0.41		
3.5	14.24	933.8	929.7	925.6	3.39	4.03	4.23	-36.9	-33.7	-31.1	0.29		
3.8	14.21	937.4	933.2	929.2	3.39	4.01	4.20	-35.9	-33.9	-31.6	0.06		
4.0	14.25	941.0	936.8	932.8	3.35	4.01	4.17	-35.0	-34.0	-31.9	0.17		
4.3	14.18	944.6	940.4	936.3	3.30	3.98	4.18	-34.5	-34.1	-32.5	0.40		
4.5	14.02	948.2	943.9	939.8	3.27	3.94	4.16	-33.5	-34.1	-33.0	0.58		
4.8	13.74	951.6	947.3	943.2	3.26	3.93	4.13	-32.8	-34.2	-31.8	0.67		
5.0	13.14	955.0	950.6	946.4	3.24	3.91	4.13	-32.2	-34.5	-31.5	0.72		
5.3	12.64	958.1	953.7	949.6	3.23	3.88	4.12	-31.8	-34.1	-31.7	0.74		
5.5	12.04	961.1	956.7	952.6	3.24	3.89	4.10	-31.5	-34.3	-31.6	0.77		
5.8	11.38	964.0	959.6	955.4	3.28	3.89	4.11	-31.2	-34.5	-31.8	0.77		
6.0	10.79	966.7	962.3	958.1	3.30	3.90	4.11	-30.9	-34.5	-31.9	0.77		
6.3	10.26	969.2	964.9	960.6	3.32	3.94	4.13	-30.6	-34.7	-32.5	0.77		
6.5	9.68	971.6	967.3	963.0	3.36	3.96	4.17	-30.4	-34.7	-32.9	0.76		
6.8	9.16	973.9	969.6	965.3	3.43	3.99	4.19	-30.3	-34.7	-32.5	0.71		
7.0	8.62	976.0	971.7	967.5	3.47	4.02	4.22	-30.2	-34.9	-32.4	0.72		
7.3	8.12	978.1	973.7	969.5	3.55	4.09	4.25	-29.9	-34.7	-32.6	0.70		
7.5	7.66	980.0	975.7	971.4	3.59	4.13	4.28	-29.7	-34.9	-32.7	0.69		
7.8	7.26	981.8	977.5	973.2	3.64	4.16	4.35	-29.8	-35.0	-32.8	0.70		
8.0	6.81	983.5	979.2	974.8	3.72	4.25	4.38	-29.4	-34.7	-33.3	0.67		
8.3	6.41	985.1	980.8	976.4	3.77	4.29	4.41	-29.5	-34.5	-33.3	0.67		
8.5	6.01	986.7	982.3	977.9	3.81	4.32	4.49	-29.3	-34.9	-33.6	0.64		
8.8	5.60	988.1	983.7	979.3	3.91	4.41	4.53	-29.2	-34.9	-34.0	0.64		
9.0	5.23	989.4	985.0	980.5	3.95	4.44	4.56	-29.2	-35.3	-34.1	0.62		
9.3	4.78	990.6	986.2	981.7	3.99	4.48	4.59	-29.2	-35.1	-34.6	0.64		
9.5	4.43	991.7	987.3	982.8	4.02	4.51	4.66	-29.2	-34.8	-34.5	0.62		
9.8	3.97	992.8	988.3	983.7	4.11	4.60	4.69	-29.0	-35.2	-34.9	0.64		
10.0	3.57	993.7	989.2	984.6	4.14	4.62	4.72	-28.9	-34.7	-35.2	0.61		