

Voltage Controlled Oscillator

ROS-ED9661/1

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			
0.2	22.07	872.8	867.9	863.6	1.70	1.97	2.00	-32.2	-30.0	-36.9	0.07	1	-85
0.3	21.41	876.0	871.1	866.9	1.77	2.05	2.08	-31.6	-29.6	-36.4	0.09	10	-110
0.5	20.69	879.1	874.3	870.0	1.81	2.11	2.15	-31.5	-29.5	-35.6	0.13	100	-130
0.6	20.68	882.2	877.4	873.1	1.86	2.17	2.21	-31.1	-29.5	-35.4	0.15	1000	-150
0.8	20.54	885.3	880.4	876.1	1.89	2.21	2.27	-30.4	-29.2	-34.4	0.15		
0.9	20.76	888.5	883.5	879.2	1.92	2.24	2.31	-30.4	-28.9	-33.5	0.15		
1.1	20.90	891.7	886.7	882.3	1.96	2.27	2.35	-30.3	-28.9	-32.7	0.17		
1.2	20.98	894.9	889.8	885.4	1.98	2.30	2.38	-30.0	-28.7	-32.0	0.17		
1.4	21.42	898.2	893.0	888.6	2.01	2.32	2.40	-29.7	-28.6	-31.3	0.18		
1.5	21.49	901.5	896.3	891.7	2.04	2.35	2.43	-29.4	-28.2	-30.6	0.15		
1.7	21.93	904.8	899.6	895.0	2.09	2.38	2.45	-29.4	-28.4	-30.1	0.15		
1.8	22.01	908.2	902.9	898.2	2.15	2.41	2.47	-29.3	-28.4	-29.5	0.14		
2.0	22.25	911.5	906.2	901.5	2.21	2.46	2.50	-29.2	-28.3	-28.9	0.11		
2.1	22.29	914.9	909.5	904.8	2.30	2.52	2.54	-29.0	-28.1	-28.2	0.07		
2.3	22.49	918.3	912.9	908.2	2.38	2.58	2.58	-28.8	-28.1	-27.5	0.04		
2.4	22.40	921.7	916.3	911.5	2.47	2.65	2.63	-28.8	-28.0	-26.9	0.02		
2.6	22.44	925.1	919.6	914.8	2.57	2.73	2.69	-28.7	-27.9	-26.4	0.00		
2.7	22.43	928.5	923.0	918.1	2.67	2.81	2.76	-28.6	-27.9	-26.5	0.05		
2.9	22.07	931.9	926.3	921.4	2.74	2.89	2.82	-28.2	-27.8	-26.2	0.07		
3.0	21.87	935.2	929.6	924.7	2.82	2.96	2.89	-28.3	-28.0	-25.6	0.09		
3.2	21.60	938.4	932.8	927.9	2.88	3.02	2.94	-28.3	-28.1	-25.3	0.12		
3.3	21.51	941.7	936.1	931.1	2.91	3.06	2.98	-28.1	-28.0	-24.8	0.12		
3.5	20.99	944.9	939.2	934.2	2.94	3.07	3.01	-27.6	-28.1	-24.8	0.15		
3.6	20.89	948.0	942.3	937.3	2.93	3.07	3.01	-27.3	-28.0	-25.0	0.19		
3.8	20.49	951.1	945.4	940.4	2.90	3.05	2.99	-27.0	-28.1	-25.5	0.29		
3.9	20.29	954.1	948.5	943.5	2.82	3.01	2.96	-26.4	-28.2	-26.2	0.46		
4.1	20.33	957.1	951.5	946.6	2.74	2.96	2.93	-25.9	-28.1	-26.1	0.72		
4.2	20.43	960.2	954.6	949.7	2.66	2.91	2.89	-25.6	-28.3	-26.6	0.94		
4.4	20.24	963.2	957.6	952.8	2.60	2.87	2.85	-25.2	-28.4	-27.2	1.15		
4.5	20.13	966.2	960.6	955.8	2.57	2.83	2.82	-24.9	-28.4	-27.7	1.32		
4.7	19.87	969.2	963.6	958.8	2.55	2.81	2.80	-24.6	-28.4	-28.3	1.44		
4.8	19.39	972.1	966.5	961.7	2.55	2.80	2.78	-24.3	-28.3	-29.2	1.51		
5.0	19.15	974.9	969.4	964.6	2.57	2.79	2.77	-24.0	-28.8	-30.4	1.58		
5.1	18.52	977.7	972.2	967.4	2.59	2.81	2.78	-23.9	-28.7	-30.2	1.60		
5.3	18.01	980.4	974.9	970.1	2.61	2.83	2.79	-23.7	-28.7	-30.3	1.62		
5.4	17.49	983.0	977.5	972.7	2.64	2.85	2.81	-23.6	-28.9	-30.7	1.62		
5.6	17.05	985.6	980.0	975.3	2.67	2.88	2.83	-23.4	-28.9	-31.1	1.65		
5.7	16.46	988.0	982.5	977.7	2.71	2.92	2.87	-23.2	-28.9	-31.8	1.65		
5.9	16.00	990.4	984.9	980.1	2.74	2.96	2.90	-23.1	-29.0	-32.4	1.60		
6.0	15.42	992.8	987.2	982.4	2.79	3.00	2.94	-23.0	-29.0	-33.1	1.60		