

Voltage Controlled Oscillator

ROS-ED9691/1

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	16.68	887.9	885.0	881.8	-0.42	0.77	1.22	-20.7	-36.0	-38.8	0.15	1	-88
0.4	15.96	891.1	888.2	885.1	-0.49	0.71	1.16	-21.4	-36.3	-38.7	0.20	10	-112
0.6	15.63	894.2	891.3	888.2	-0.56	0.64	1.10	-22.0	-35.9	-38.4	0.22	100	-132
0.8	15.76	897.3	894.5	891.4	-0.63	0.57	1.04	-22.4	-35.7	-38.5	0.26	1000	-152
1.0	15.96	900.6	897.7	894.5	-0.69	0.50	0.97	-22.8	-35.9	-38.3	0.31		
1.2	16.55	903.9	901.0	897.8	-0.76	0.44	0.91	-23.7	-35.9	-38.1	0.33		
1.4	17.24	907.4	904.4	901.2	-0.81	0.38	0.85	-24.6	-35.8	-38.1	0.35		
1.6	18.05	911.1	908.0	904.7	-0.84	0.34	0.79	-25.3	-35.6	-38.0	0.39		
1.8	18.82	915.0	911.8	908.4	-0.86	0.31	0.76	-26.0	-35.7	-37.9	0.41		
2.0	19.70	919.0	915.7	912.3	-0.85	0.30	0.73	-26.8	-35.8	-37.7	0.41		
2.2	20.40	923.2	919.8	916.3	-0.83	0.31	0.72	-27.7	-35.5	-37.6	0.37		
2.4	20.84	927.4	924.0	920.4	-0.82	0.33	0.73	-28.9	-35.6	-37.3	0.34		
2.6	21.24	931.8	928.2	924.6	-0.79	0.36	0.76	-30.1	-35.5	-37.4	0.26		
2.8	21.26	936.1	932.5	928.8	-0.78	0.37	0.79	-31.6	-35.3	-37.2	0.22		
3.0	21.10	940.3	936.7	933.0	-0.78	0.38	0.81	-33.5	-35.4	-36.6	0.14		
3.2	20.70	944.5	940.8	937.1	-0.77	0.38	0.82	-35.3	-35.3	-36.3	0.05		
3.4	20.08	948.5	944.9	941.2	-0.77	0.40	0.82	-37.5	-35.2	-36.1	0.02		
3.6	19.34	952.4	948.7	945.1	-0.78	0.39	0.83	-39.5	-34.9	-35.8	0.10		
3.8	18.46	956.0	952.4	948.8	-0.78	0.39	0.83	-41.1	-34.9	-35.8	0.17		
4.0	17.27	959.5	955.9	952.2	-0.77	0.39	0.83	-41.3	-34.7	-35.3	0.24		
4.2	16.18	962.7	959.1	955.5	-0.75	0.40	0.83	-40.7	-34.6	-35.1	0.31		
4.4	14.80	965.6	962.1	958.5	-0.73	0.41	0.83	-39.6	-34.3	-34.7	0.36		
4.6	13.54	968.3	964.8	961.3	-0.70	0.44	0.84	-38.1	-34.2	-34.3	0.41		
4.8	12.29	970.7	967.2	963.8	-0.67	0.46	0.86	-37.1	-34.2	-33.9	0.38		
5.0	11.03	972.8	969.4	966.0	-0.64	0.49	0.88	-35.7	-34.2	-33.6	0.38		
5.2	9.77	974.7	971.4	968.0	-0.61	0.51	0.90	-34.9	-34.1	-33.3	0.35		
5.4	8.56	976.3	973.1	969.8	-0.59	0.53	0.93	-34.0	-34.1	-33.3	0.29		
5.6	7.49	977.8	974.6	971.3	-0.56	0.56	0.95	-33.5	-34.2	-32.9	0.22		
5.8	6.54	979.0	975.9	972.6	-0.53	0.58	0.97	-32.9	-33.9	-32.8	0.10		
6.0	5.65	980.1	977.0	973.8	-0.51	0.60	0.99	-32.6	-34.1	-32.6	0.00		
6.2	4.79	981.0	978.0	974.8	-0.49	0.62	1.00	-32.2	-34.1	-32.5	0.07		
6.4	4.19	981.7	978.8	975.6	-0.47	0.63	1.02	-32.0	-34.0	-32.4	0.17		
6.6	3.54	982.4	979.5	976.4	-0.45	0.65	1.02	-31.7	-34.0	-32.3	0.27		
6.8	2.99	982.9	980.1	977.0	-0.44	0.66	1.04	-31.5	-33.9	-32.2	0.33		
7.0	2.65	983.4	980.7	977.5	-0.42	0.68	1.05	-31.4	-34.2	-32.2	0.40		
7.2	2.33	983.8	981.1	978.0	-0.42	0.68	1.05	-31.3	-34.0	-32.1	0.43		
7.4	2.04	984.2	981.5	978.4	-0.41	0.69	1.06	-31.1	-34.1	-32.1	0.48		
7.6	1.80	984.5	981.9	978.8	-0.40	0.70	1.07	-31.1	-34.0	-32.0	0.53		
7.8	1.63	984.8	982.2	979.2	-0.40	0.71	1.07	-30.9	-33.9	-32.0	0.55		
8.0	1.43	985.1	982.5	979.5	-0.39	0.71	1.07	-30.9	-34.0	-31.8	0.55		