

Voltage Controlled Oscillator

ROS-EDR6007

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			
0.5	18.18	939.4	931.4	925.0	3.95	2.27	0.67	-22.1	-29.8	-36.2	-0.02	1	-90
1.0	14.04	946.4	938.5	932.2	4.08	2.37	0.65	-22.0	-30.3	-35.8	0.09	10	-114
1.5	12.29	952.6	944.6	938.6	4.23	2.46	0.59	-21.9	-30.6	-35.0	0.15	100	-133
2.0	11.37	958.4	950.3	944.5	4.38	2.54	0.52	-21.8	-30.7	-35.1	0.19	1000	-153
2.5	10.83	963.9	955.7	950.2	4.50	2.66	0.43	-21.8	-30.9	-34.8	0.23		
3.0	10.57	969.3	961.0	955.8	4.59	2.74	0.35	-21.7	-31.1	-34.4	0.26		
3.5	10.49	974.7	966.2	961.4	4.66	2.81	0.25	-21.7	-31.4	-34.1	0.30		
4.0	10.58	980.2	971.5	967.1	4.72	2.84	0.10	-21.6	-31.5	-34.2	0.34		
4.5	10.80	985.9	976.9	972.9	4.77	2.86	-0.04	-21.5	-31.3	-34.3	0.36		
5.0	11.18	991.7	982.5	978.8	4.82	2.85	-0.19	-21.4	-31.5	-34.2	0.32		
5.5	11.79	997.8	988.4	985.1	4.87	2.77	-0.32	-21.5	-31.3	-33.8	0.14		
6.0	12.73	1004.2	994.8	991.6	4.96	2.61	-0.43	-21.7	-32.0	-33.7	-0.21		
6.5	13.86	1010.8	1001.7	998.5	5.04	2.40	-0.49	-21.8	-32.5	-33.1	-0.48		
7.0	14.88	1017.7	1009.1	1005.7	5.04	2.18	-0.53	-22.2	-32.6	-32.9	-0.58		
7.5	15.72	1024.9	1017.0	1013.3	5.03	1.93	-0.57	-22.4	-32.7	-32.1	-0.61		
8.0	16.41	1032.3	1025.2	1021.4	4.97	1.67	-0.63	-22.7	-33.0	-31.4	-0.64		
8.5	16.96	1039.7	1033.7	1029.7	4.88	1.43	-0.69	-23.1	-33.6	-30.6	-0.70		
9.0	17.30	1047.1	1042.3	1038.2	4.64	1.21	-0.77	-23.5	-34.0	-29.9	-0.79		
9.5	17.51	1055.3	1051.1	1046.9	4.01	1.02	-0.83	-24.0	-34.4	-29.1	-0.91		
10.0	17.63	1064.1	1059.9	1055.8	3.63	0.89	-0.84	-24.5	-35.0	-28.2	-1.06		
10.5	17.57	1072.9	1068.7	1064.5	3.35	0.79	-0.86	-24.9	-36.0	-27.7	-1.22		
11.0	17.43	1081.6	1077.4	1073.2	3.14	0.72	-0.87	-25.3	-36.8	-27.0	-1.39		