

Voltage Controlled Oscillator

UOS-EDR5748

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	17.40	942.7	940.7	938.8	-3.04	-3.02	-3.12	-23.3	-22.4	-38.4	0.01	1	-87
0.5	16.18	946.7	944.8	942.9	-3.07	-3.02	-3.11	-23.1	-22.3	-38.1	0.02	10	-106
0.8	15.58	950.6	948.7	946.8	-3.09	-3.02	-3.12	-22.9	-22.2	-38.1	0.03	100	-128
1.0	15.28	954.5	952.5	950.5	-3.11	-3.02	-3.13	-22.5	-22.0	-37.3	0.03	1000	-144
1.3	15.27	958.3	956.3	954.3	-3.12	-3.02	-3.12	-22.3	-21.9	-37.2	0.03		
1.5	15.09	962.2	960.1	958.0	-3.14	-3.02	-3.12	-22.1	-21.8	-37.4	0.03		
1.8	15.16	966.0	963.9	961.7	-3.15	-3.02	-3.10	-21.9	-21.7	-37.1	0.03		
2.0	15.32	969.9	967.7	965.5	-3.17	-3.01	-3.09	-21.8	-21.8	-36.8	0.03		
2.3	15.52	973.9	971.6	969.3	-3.17	-3.02	-3.06	-21.7	-21.8	-36.6	0.03		
2.5	15.57	977.8	975.5	973.1	-3.14	-3.01	-3.03	-21.1	-21.7	-36.4	0.03		
2.8	15.57	981.8	979.4	977.0	-3.16	-3.01	-3.01	-20.8	-21.6	-36.3	0.03		
3.0	15.59	985.7	983.3	980.8	-3.18	-3.02	-3.01	-20.6	-21.5	-36.2	0.03		
3.3	15.53	989.7	987.1	984.6	-3.20	-3.02	-3.00	-20.5	-21.5	-35.5	0.03		
3.5	15.40	993.6	991.0	988.4	-3.22	-3.03	-3.00	-20.4	-21.4	-35.1	0.04		
3.8	15.32	997.5	994.8	992.1	-3.24	-3.03	-3.01	-20.3	-21.5	-34.5	0.04		
4.0	15.03	1001.2	998.6	995.8	-3.25	-3.03	-3.02	-19.9	-21.6	-34.2	0.05		
4.3	14.47	1004.9	1002.2	999.5	-3.24	-3.02	-3.01	-19.7	-21.6	-33.9	0.06		
4.5	14.12	1008.4	1005.7	1003.0	-3.23	-3.02	-2.98	-19.6	-21.4	-33.4	0.06		
4.8	13.77	1011.9	1009.2	1006.4	-3.22	-3.03	-2.96	-19.4	-21.4	-33.1	0.07		
5.0	13.41	1015.3	1012.5	1009.7	-3.23	-3.02	-2.94	-19.3	-21.4	-32.9	0.08		
5.3	13.06	1018.6	1015.8	1012.9	-3.24	-3.03	-2.93	-19.2	-21.4	-32.6	0.09		
5.5	12.73	1021.8	1019.0	1016.0	-3.25	-3.03	-2.93	-19.0	-21.4	-32.6	0.09		
5.8	12.24	1024.8	1022.0	1019.1	-3.27	-3.02	-2.93	-18.7	-21.5	-32.3	0.10		
6.0	11.90	1027.8	1025.0	1022.1	-3.29	-3.03	-2.92	-18.5	-21.5	-32.0	0.10		
6.3	11.59	1030.8	1027.9	1024.9	-3.34	-3.03	-2.96	-18.5	-21.5	-31.7	0.10		
6.5	11.29	1033.6	1030.7	1027.7	-3.30	-3.03	-2.91	-18.4	-21.5	-31.2	0.11		
6.8	10.98	1036.4	1033.5	1030.5	-3.33	-3.03	-2.92	-18.3	-21.4	-31.0	0.11		
7.0	10.70	1039.1	1036.1	1033.1	-3.35	-3.04	-2.92	-18.2	-21.4	-31.0	0.12		