

Voltage Controlled Oscillator

MOS-EDR5639

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	45.57	841.0	840.0	837.3	1.38	0.36	-0.41	-25.4	-28.5	-39.6	-0.15	1	-81
0.5	41.68	852.1	850.4	847.5	0.69	0.20	-0.31	-26.4	-27.5	-40.0	-0.09	10	-103
0.8	38.71	862.6	860.1	856.9	0.20	0.03	-0.29	-27.7	-26.6	-39.4	-0.04	100	-123
1.0	37.63	872.5	869.5	866.0	-0.11	-0.04	-0.25	-29.1	-25.8	-39.6	-0.01	1000	-142
1.3	36.41	882.1	878.6	874.8	-0.25	-0.08	-0.22	-30.7	-25.4	-39.9	0.02		
1.5	35.91	891.6	887.6	883.5	-0.41	-0.10	-0.18	-32.4	-24.9	-40.4	0.04		
1.8	35.71	900.8	896.5	892.2	-0.49	-0.13	-0.19	-34.0	-24.5	-41.4	0.06		
2.0	35.33	910.0	905.3	900.8	-0.59	-0.17	-0.20	-35.4	-23.9	-41.5	0.07		
2.3	35.33	919.2	914.2	909.4	-0.65	-0.21	-0.25	-37.2	-23.5	-41.6	0.09		
2.5	35.27	928.4	923.0	918.0	-0.70	-0.23	-0.26	-38.0	-23.3	-41.9	0.09		
2.8	35.12	937.5	931.8	926.7	-0.66	-0.19	-0.21	-39.9	-23.1	-43.0	0.09		
3.0	35.33	946.5	940.6	935.4	-0.62	-0.13	-0.17	-41.6	-22.9	-43.9	0.09		
3.3	35.34	955.6	949.4	944.0	-0.62	-0.13	-0.14	-43.1	-22.6	-45.0	0.09		
3.5	34.87	964.5	958.2	952.6	-0.67	-0.15	-0.18	-44.6	-22.7	-46.8	0.07		
3.8	34.24	973.3	966.7	961.1	-0.76	-0.19	-0.21	-47.3	-22.2	-48.7	0.06		
4.0	33.79	981.9	975.2	969.6	-0.81	-0.23	-0.24	-46.7	-22.0	-50.2	0.04		
4.3	33.33	990.3	983.5	977.8	-0.84	-0.24	-0.26	-47.7	-22.1	-50.0	0.03		
4.5	32.61	998.5	991.7	985.9	-0.91	-0.32	-0.35	-49.2	-21.8	-47.0	0.01		
4.8	31.34	1006.5	999.5	993.8	-0.90	-0.41	-0.44	-50.2	-22.3	-44.8	-0.01		
5.0	30.72	1014.2	1007.2	1001.4	-0.93	-0.43	-0.51	-49.9	-22.1	-43.3	-0.04		
5.3	29.97	1021.7	1014.7	1008.9	-0.95	-0.43	-0.50	-51.6	-22.6	-41.4	-0.06		
5.5	29.04	1029.1	1021.9	1016.1	-1.04	-0.50	-0.55	-47.4	-22.8	-39.6	-0.06		
5.8	28.39	1036.3	1029.0	1023.1	-1.16	-0.56	-0.59	-45.2	-22.7	-38.8	-0.08		
6.0	27.55	1043.4	1035.9	1029.9	-1.29	-0.63	-0.65	-45.3	-22.9	-36.9	-0.08		
6.3	27.14	1050.5	1042.7	1036.5	-1.45	-0.73	-0.73	-42.8	-23.1	-36.3	-0.08		
6.5	26.56	1057.3	1049.3	1042.9	-1.62	-0.86	-0.85	-42.0	-23.4	-35.6	-0.06		
6.8	25.35	1063.9	1055.7	1049.1	-1.75	-0.98	-0.97	-41.6	-24.0	-34.4	-0.06		
7.0	24.41	1070.3	1061.8	1055.1	-1.84	-1.07	-1.08	-40.1	-24.6	-34.0	-0.03		