

Voltage Controlled Oscillator

MOS-EDR5654

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	15.44	853.9	851.6	848.7	2.06	2.20	1.66	-25.9	-22.3	-33.6	0.00	1	-91
0.5	14.06	857.3	855.1	852.2	2.03	2.16	1.67	-26.2	-22.1	-33.3	0.01	10	-111
0.8	13.29	860.6	858.5	855.6	1.98	2.12	1.64	-26.5	-22.0	-33.4	0.02	100	-130
1.0	12.88	863.9	861.7	858.8	1.97	2.11	1.61	-26.8	-21.9	-33.4	0.02	1000	-146
1.3	12.67	867.1	864.8	861.9	1.97	2.11	1.61	-27.0	-21.8	-33.3	0.02		
1.5	12.60	870.3	868.0	865.0	1.96	2.10	1.61	-27.1	-21.7	-33.0	0.02		
1.8	12.60	873.4	871.1	868.1	1.95	2.09	1.60	-27.1	-21.6	-32.7	0.02		
2.0	12.69	876.7	874.3	871.2	1.94	2.08	1.60	-27.0	-21.4	-32.5	0.02		
2.3	12.82	879.9	877.5	874.3	1.94	2.08	1.60	-26.8	-21.4	-32.3	0.01		
2.5	13.00	883.2	880.8	877.5	1.93	2.08	1.60	-26.5	-21.3	-31.9	0.01		
2.8	13.14	886.6	884.0	880.7	1.92	2.07	1.60	-26.2	-21.1	-31.6	0.00		
3.0	13.33	889.9	887.4	884.0	1.89	2.05	1.59	-25.9	-21.0	-31.2	-0.01		
3.3	13.50	893.4	890.8	887.3	1.88	2.03	1.58	-25.4	-21.0	-31.1	-0.02		
3.5	13.61	896.8	894.2	890.7	1.86	2.01	1.56	-24.8	-21.0	-30.8	-0.03		
3.8	13.52	900.2	897.5	894.0	1.85	2.01	1.55	-24.3	-20.9	-30.6	-0.05		
4.0	13.47	903.6	900.9	897.4	1.84	2.01	1.55	-23.8	-20.9	-30.5	-0.06		
4.3	13.41	907.0	904.3	900.7	1.82	2.00	1.54	-23.3	-20.9	-30.3	-0.07		
4.5	13.29	910.4	907.6	904.0	1.81	1.99	1.52	-23.0	-20.9	-30.0	-0.08		
4.8	13.14	913.7	910.9	907.2	1.78	1.96	1.52	-22.6	-20.8	-29.7	-0.09		
5.0	12.94	916.9	914.1	910.4	1.76	1.94	1.50	-22.0	-20.9	-28.9	-0.10		
5.3	12.68	920.1	917.3	913.5	1.74	1.92	1.48	-21.6	-20.9	-28.4	-0.11		
5.5	12.42	923.2	920.4	916.6	1.72	1.90	1.47	-21.1	-20.8	-27.9	-0.12		
5.8	12.18	926.3	923.4	919.6	1.72	1.90	1.46	-20.7	-20.9	-27.6	-0.12		
6.0	11.90	929.3	926.4	922.6	1.71	1.90	1.46	-20.4	-21.1	-27.3	-0.12		
6.3	11.61	932.2	929.3	925.5	1.71	1.90	1.45	-20.1	-21.2	-27.0	-0.12		
6.5	11.35	935.1	932.1	928.3	1.69	1.89	1.46	-19.8	-21.1	-26.5	-0.12		
6.8	11.09	937.9	934.9	931.0	1.67	1.88	1.46	-19.6	-21.0	-26.3	-0.12		
7.0	10.88	940.7	937.6	933.7	1.66	1.86	1.46	-19.3	-21.0	-26.1	-0.12		