

Voltage Controlled Oscillator

MOS-EDR5637/1

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			
0.3	20.33	545.0	543.0	541.2	1.26	1.06	0.75	-22.5	-35.1	-15.0	-1.24	1	-89
0.5	18.89	549.6	547.7	546.0	1.37	1.14	0.89	-24.3	-35.1	-14.6	-1.28	10	-114
0.8	18.04	554.1	552.2	550.4	1.43	1.19	0.96	-25.4	-30.6	-14.8	-1.12	100	-136
1.0	16.90	558.3	556.4	554.6	1.49	1.25	1.03	-26.3	-29.1	-15.0	-0.84	1000	-149
1.3	16.14	562.4	560.5	558.6	1.56	1.32	1.10	-27.2	-28.0	-15.1	-0.66		
1.5	15.92	566.4	564.5	562.5	1.61	1.38	1.18	-28.0	-27.3	-15.2	-0.58		
1.8	15.81	570.4	568.4	566.4	1.68	1.42	1.25	-28.7	-26.7	-15.2	-0.50		
2.0	15.45	574.3	572.3	570.3	1.78	1.52	1.33	-29.7	-26.0	-15.4	-0.46		
2.3	15.47	578.2	576.1	574.1	1.85	1.60	1.41	-30.6	-25.4	-15.6	-0.46		
2.5	15.50	582.1	580.0	577.9	1.91	1.66	1.48	-31.6	-25.1	-15.9	-0.50		
2.8	15.54	586.0	583.9	581.8	1.96	1.71	1.54	-32.6	-24.8	-16.2	-0.54		
3.0	15.55	589.9	587.8	585.7	2.01	1.77	1.59	-33.6	-24.6	-16.5	-0.60		
3.3	15.54	593.9	591.7	589.5	2.05	1.81	1.64	-34.4	-24.4	-16.9	-0.68		
3.5	15.54	597.8	595.6	593.4	2.08	1.84	1.68	-35.9	-24.1	-17.0	-0.78		
3.8	15.52	601.7	599.4	597.3	2.11	1.88	1.72	-37.3	-24.1	-17.0	-0.88		
4.0	15.43	605.6	603.3	601.1	2.15	1.92	1.76	-38.7	-24.0	-17.3	-1.00		
4.3	15.35	609.5	607.1	604.9	2.20	1.97	1.80	-40.1	-23.9	-17.4	-1.12		
4.5	15.27	613.4	611.0	608.8	2.23	2.00	1.83	-41.4	-23.8	-17.5	-1.24		
4.8	15.66	617.3	614.9	612.5	2.22	2.02	1.86	-41.8	-24.2	-17.6	-1.40		
5.0	15.18	621.1	618.7	616.4	2.22	2.02	1.86	-41.8	-23.9	-17.8	-1.44		
5.3	14.67	624.8	622.3	620.1	2.23	2.03	1.85	-41.4	-23.7	-17.9	-1.56		
5.5	14.54	628.5	626.0	623.7	2.23	2.03	1.84	-40.3	-23.6	-18.1	-1.68		
5.8	14.37	632.2	629.6	627.3	2.28	2.07	1.88	-39.2	-23.7	-18.2	-1.76		
6.0	14.16	635.7	633.1	630.8	2.29	2.09	1.89	-38.1	-23.7	-18.2	-1.84		
6.3	13.92	639.3	636.6	634.3	2.30	2.11	1.90	-37.2	-23.7	-18.1	-1.90		
6.5	13.69	642.7	640.0	637.7	2.29	2.11	1.90	-35.8	-23.7	-18.0	-1.96		
6.8	13.48	646.2	643.4	641.1	2.27	2.09	1.89	-34.5	-23.7	-18.0	-2.00		
7.0	13.23	649.5	646.7	644.3	2.24	2.07	1.86	-33.6	-23.8	-18.0	-2.00		