

Voltage Controlled Oscillator

MOS-EDR5653

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	19.75	568.0	565.9	563.3	1.88	1.76	1.50	-25.3	-28.9	-16.4	-0.26	1	-89
0.5	17.13	572.2	570.2	567.6	1.92	1.79	1.51	-26.3	-26.4	-16.5	-0.17	10	-114
0.8	15.39	576.0	574.0	571.4	1.99	1.85	1.59	-26.8	-25.8	-16.9	-0.11	100	-135
1.0	14.46	579.6	577.7	575.0	2.06	1.92	1.66	-27.4	-25.5	-17.2	-0.08	1000	-150
1.3	14.02	583.1	581.2	578.5	2.12	1.98	1.73	-27.9	-25.0	-17.3	-0.05		
1.5	13.77	586.6	584.6	581.9	2.19	2.05	1.80	-28.4	-24.6	-17.4	-0.04		
1.8	13.68	590.0	588.0	585.3	2.27	2.13	1.86	-29.1	-24.5	-17.6	-0.04		
2.0	13.75	593.5	591.5	588.7	2.34	2.20	1.94	-29.7	-24.5	-18.0	-0.03		
2.3	13.74	597.0	594.9	592.1	2.41	2.27	2.01	-30.2	-24.6	-18.2	-0.03		
2.5	13.80	600.4	598.3	595.6	2.47	2.34	2.09	-30.8	-24.5	-18.5	-0.04		
2.8	13.91	603.9	601.8	599.0	2.49	2.37	2.12	-31.5	-24.5	-18.7	-0.05		
3.0	14.00	607.5	605.3	602.5	2.50	2.38	2.13	-32.0	-24.5	-18.8	-0.06		
3.3	14.08	611.0	608.8	606.0	2.52	2.40	2.15	-32.4	-24.6	-19.0	-0.08		
3.5	14.17	614.6	612.4	609.6	2.53	2.40	2.15	-32.9	-24.5	-19.2	-0.10		
3.8	14.07	618.1	615.9	613.1	2.54	2.40	2.15	-33.7	-24.5	-19.3	-0.13		
4.0	14.34	621.8	619.5	616.7	2.54	2.41	2.14	-34.6	-24.5	-19.3	-0.15		
4.3	14.24	625.3	623.0	620.2	2.55	2.43	2.15	-35.7	-24.5	-19.6	-0.18		
4.5	13.90	628.8	626.5	623.8	2.58	2.45	2.15	-36.6	-24.5	-19.7	-0.20		
4.8	13.84	632.3	630.0	627.2	2.62	2.47	2.16	-37.2	-24.5	-19.9	-0.23		
5.0	13.72	635.8	633.4	630.7	2.64	2.48	2.17	-37.7	-24.6	-20.0	-0.26		
5.3	13.62	639.2	636.8	634.1	2.65	2.50	2.17	-39.2	-24.7	-19.9	-0.28		
5.5	13.46	642.6	640.2	637.4	2.66	2.50	2.17	-40.5	-25.0	-19.9	-0.30		
5.8	13.31	646.0	643.5	640.8	2.67	2.52	2.17	-41.6	-25.1	-20.0	-0.31		
6.0	13.09	649.3	646.8	644.0	2.69	2.54	2.18	-42.4	-25.2	-20.1	-0.34		
6.3	12.90	652.5	650.0	647.2	2.69	2.53	2.16	-42.9	-25.3	-20.2	-0.34		
6.5	12.72	655.7	653.2	650.4	2.73	2.57	2.21	-42.9	-25.4	-20.2	-0.35		
6.8	12.46	658.8	656.3	653.5	2.73	2.57	2.21	-41.8	-25.7	-20.2	-0.36		
7.0	12.23	662.0	659.4	656.5	2.71	2.56	2.21	-40.4	-25.9	-20.4	-0.36		