

Voltage Controlled Oscillator

MOS-EDR5668/1

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	37.53	2136.9	2130.0	2129.2	3.28	1.10	-1.36	-18.5	-21.0	-30.3	-0.40	1	-74
0.5	34.60	2144.9	2138.6	2137.6	3.36	1.11	-1.26	-18.1	-21.6	-31.4	-0.39	10	-101
0.8	33.17	2152.8	2146.9	2145.6	3.45	1.14	-1.15	-18.2	-22.0	-32.3	-0.39	100	-121
1.0	32.77	2160.7	2155.1	2153.4	3.53	1.17	-1.05	-18.1	-22.7	-33.5	-0.41	1000	-141
1.3	32.45	2168.6	2163.2	2161.2	3.54	1.22	-0.99	-17.9	-23.3	-33.5	-0.42		
1.5	32.50	2176.6	2171.3	2168.9	3.53	1.22	-0.93	-17.8	-23.7	-35.4	-0.44		
1.8	32.92	2185.0	2179.6	2176.8	3.46	1.19	-0.90	-17.9	-24.6	-39.2	-0.47		
2.0	33.82	2193.5	2188.0	2184.8	3.41	1.15	-0.88	-17.8	-25.5	-38.4	-0.51		
2.3	34.52	2202.2	2196.7	2193.1	3.39	1.09	-0.88	-17.7	-26.2	-38.1	-0.55		
2.5	35.05	2211.2	2205.4	2201.5	3.33	1.10	-0.88	-17.6	-26.3	-38.5	-0.59		
2.8	36.12	2220.3	2214.4	2210.1	3.26	1.09	-0.84	-17.4	-27.4	-37.7	-0.63		
3.0	36.54	2229.6	2223.6	2218.9	3.15	1.08	-0.79	-17.4	-27.9	-38.8	-0.70		
3.3	37.24	2239.3	2232.9	2227.8	3.02	1.05	-0.76	-17.4	-28.2	-37.9	-0.76		
3.5	37.90	2249.0	2242.4	2236.8	2.92	0.99	-0.75	-17.3	-29.8	-37.0	-0.85		
3.8	38.02	2258.8	2251.9	2245.9	2.82	0.91	-0.81	-17.1	-30.3	-35.2	-0.96		
4.0	37.98	2268.7	2261.4	2255.1	2.70	0.87	-0.83	-17.0	-30.6	-33.2	-1.08		
4.3	37.97	2278.4	2270.9	2264.2	2.58	0.83	-0.81	-16.9	-32.7	-32.2	-1.21		
4.5	37.52	2287.8	2280.2	2273.4	2.47	0.79	-0.77	-16.6	-32.7	-31.6	-1.35		
4.8	36.98	2297.1	2289.5	2282.5	2.35	0.72	-0.76	-16.3	-32.4	-29.8	-1.48		
5.0	36.47	2306.2	2298.6	2291.5	2.24	0.63	-0.82	-15.7	-33.7	-29.7	-1.60		
5.3	35.62	2315.0	2307.5	2300.3	2.14	0.54	-0.91	-15.5	-32.6	-29.3	-1.73		
5.5	34.99	2323.7	2316.3	2309.1	2.02	0.51	-0.89	-15.3	-32.0	-28.5	-1.84		
5.8	34.35	2332.2	2324.8	2317.6	1.91	0.45	-0.91	-14.9	-32.0	-28.6	-1.95		
6.0	33.70	2340.7	2333.3	2326.0	1.80	0.37	-0.93	-14.6	-31.8	-27.6	-2.06		
6.3	33.03	2349.0	2341.5	2334.3	1.67	0.30	-0.97	-14.2	-31.9	-27.5	-2.15		
6.5	32.33	2357.2	2349.6	2342.4	1.51	0.23	-1.00	-13.7	-32.1	-28.1	-2.24		
6.8	31.72	2365.3	2357.5	2350.4	1.34	0.12	-1.05	-13.3	-32.8	-27.2	-2.31		
7.0	31.14	2373.3	2365.3	2358.2	1.17	-0.01	-1.14	-12.9	-32.5	-26.8	-2.39		