

Voltage Controlled Oscillator

MOS-EDR6449

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			
0.2	26.44	2137.3	2128.5	2125.1	5.12	3.46	2.08	-31.5	-27.9	-35.2	-0.62	1	-79
0.4	25.87	2141.6	2133.0	2129.8	5.09	3.42	2.05	-30.8	-27.9	-35.4	-0.54	10	-104
0.5	25.63	2145.8	2137.5	2134.3	5.06	3.36	2.00	-30.6	-27.8	-35.4	-0.46	100	-124
0.7	25.90	2150.2	2142.0	2138.9	5.04	3.29	1.96	-29.5	-28.1	-34.9	-0.38	1000	-144
0.9	26.41	2154.6	2146.6	2143.5	5.03	3.24	1.90	-29.5	-27.7	-33.8	-0.31		
1.1	27.18	2159.3	2151.4	2148.3	5.01	3.20	1.84	-28.9	-27.1	-33.7	-0.23		
1.2	28.45	2164.1	2156.4	2153.3	5.00	3.15	1.78	-28.0	-27.6	-33.2	-0.16		
1.4	29.95	2169.2	2161.6	2158.4	4.98	3.10	1.72	-27.0	-27.5	-32.6	-0.09		
1.6	31.59	2174.7	2167.1	2163.9	4.97	3.03	1.66	-26.5	-27.2	-32.6	-0.01		
1.8	33.42	2180.5	2173.0	2169.7	4.93	2.97	1.60	-25.4	-27.1	-31.3	0.08		
1.9	35.81	2186.7	2179.3	2175.9	4.90	2.91	1.54	-24.7	-27.0	-31.4	0.16		
2.1	38.29	2193.4	2186.0	2182.5	4.87	2.88	1.48	-23.8	-26.9	-31.9	0.23		
2.3	41.31	2200.6	2193.2	2189.6	4.84	2.86	1.43	-23.1	-27.0	-30.8	0.30		
2.5	43.53	2208.2	2200.8	2197.1	4.79	2.84	1.39	-22.3	-26.2	-30.2	0.33		
2.6	45.79	2216.2	2208.8	2205.1	4.72	2.78	1.35	-21.4	-27.0	-29.6	0.37		
2.8	48.07	2224.6	2217.2	2213.4	4.61	2.66	1.27	-20.4	-26.9	-28.4	0.34		
3.0	50.01	2233.3	2226.0	2222.1	4.49	2.52	1.14	-19.7	-26.9	-28.7	0.28		
3.2	50.98	2242.3	2234.9	2231.0	4.39	2.43	1.02	-19.0	-26.6	-29.2	0.19		
3.3	51.98	2251.1	2244.0	2240.0	4.30	2.37	0.95	-18.4	-26.7	-28.5	0.06		
3.5	50.76	2259.9	2252.9	2249.0	4.19	2.31	0.91	-17.7	-26.7	-27.4	-0.11		
3.7	49.55	2268.4	2261.6	2257.8	4.12	2.21	0.82	-17.0	-27.4	-27.0	-0.28		
3.9	47.66	2276.6	2269.9	2266.1	4.04	2.10	0.70	-16.1	-27.2	-26.8	-0.42		
4.0	45.05	2284.2	2277.8	2274.1	3.97	2.06	0.63	-15.8	-27.7	-26.4	-0.50		
4.2	41.36	2291.3	2285.0	2281.5	3.92	2.01	0.58	-15.4	-28.3	-25.7	-0.58		
4.4	37.95	2297.7	2291.7	2288.3	3.87	1.96	0.55	-14.9	-27.8	-25.4	-0.59		
4.6	34.24	2303.6	2297.7	2294.4	3.82	1.88	0.51	-14.6	-28.7	-25.0	-0.54		
4.7	30.67	2308.8	2303.0	2299.8	3.78	1.84	0.47	-14.3	-28.9	-25.2	-0.43		
4.9	27.23	2313.5	2307.8	2304.7	3.73	1.83	0.46	-14.1	-28.5	-24.5	-0.29		
5.1	24.19	2317.7	2312.0	2308.9	3.70	1.82	0.44	-13.8	-28.5	-24.3	-0.14		
5.3	21.64	2321.3	2315.8	2312.7	3.67	1.79	0.42	-13.6	-28.0	-23.8	0.04		
5.4	19.06	2324.5	2319.1	2316.0	3.64	1.79	0.42	-13.4	-28.7	-24.1	0.20		
5.6	16.51	2327.3	2322.0	2318.9	3.61	1.74	0.36	-13.2	-29.6	-24.2	0.33		
5.8	14.40	2329.7	2324.5	2321.5	3.59	1.72	0.34	-13.0	-29.6	-24.0	0.45		
6.0	12.77	2331.9	2326.8	2323.8	3.55	1.69	0.32	-12.9	-29.4	-24.1	0.55		
6.1	11.42	2333.9	2328.8	2325.8	3.53	1.66	0.31	-12.8	-28.2	-23.8	0.64		
6.3	10.31	2335.6	2330.6	2327.7	3.51	1.64	0.28	-12.8	-28.8	-23.8	0.70		
6.5	9.37	2337.2	2332.2	2329.3	3.49	1.62	0.27	-12.6	-29.8	-23.9	0.76		
6.8	7.88	2340.0	2335.1	2332.2	3.44	1.58	0.24	-12.5	-29.3	-23.3	0.84		
7.0	7.31	2341.3	2336.4	2333.5	3.43	1.56	0.24	-12.5	-29.6	-22.9	0.88		