

Voltage Controlled Oscillator

ROS-ED10319/1

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			
0.1	28.40	2158.9	2143.0	2129.1	-0.13	0.77	0.80	-27.1	-26.8	-35.7	1.44	1	-75
0.3	28.80	2162.4	2146.6	2132.7	-0.16	0.75	0.77	-27.2	-26.6	-35.4	1.48	10	-99
0.4	29.12	2166.1	2150.2	2136.3	-0.18	0.71	0.75	-27.0	-26.7	-35.9	1.42	100	-120
0.5	29.28	2169.8	2153.9	2140.0	-0.19	0.67	0.72	-27.0	-26.6	-36.4	1.44	1000	-139
0.6	30.40	2173.6	2157.7	2143.7	-0.20	0.65	0.68	-26.9	-26.5	-36.0	1.44		
0.8	31.76	2177.7	2161.7	2147.6	-0.21	0.62	0.64	-27.3	-26.3	-35.2	1.44		
0.9	33.52	2182.0	2165.8	2151.7	-0.22	0.60	0.61	-27.2	-26.4	-35.6	1.50		
1.0	35.20	2186.5	2170.2	2155.9	-0.22	0.58	0.56	-27.1	-26.4	-35.7	1.50		
1.1	36.96	2191.3	2174.9	2160.4	-0.21	0.56	0.53	-26.9	-26.4	-36.3	1.48		
1.3	39.68	2196.5	2179.8	2165.2	-0.21	0.55	0.50	-27.2	-26.5	-36.3	1.54		
1.4	42.56	2202.0	2185.1	2170.2	-0.19	0.55	0.47	-27.1	-26.5	-36.2	1.56		
1.5	44.88	2207.8	2190.8	2175.6	-0.16	0.54	0.45	-26.9	-26.4	-36.4	1.54		
1.6	48.48	2214.1	2196.8	2181.4	-0.14	0.55	0.43	-26.9	-26.3	-36.5	1.46		
1.8	51.12	2220.8	2203.2	2187.5	-0.11	0.58	0.43	-26.8	-26.4	-36.3	1.48		
1.9	54.40	2227.9	2210.0	2194.1	-0.07	0.59	0.43	-26.6	-26.1	-36.2	1.48		
2.0	57.92	2235.4	2217.2	2201.1	-0.07	0.61	0.43	-26.6	-25.9	-39.7	1.44		
2.1	60.80	2243.3	2224.8	2208.4	-0.06	0.66	0.46	-26.5	-26.0	-45.0	1.44		
2.3	63.12	2251.5	2232.7	2216.1	-0.07	0.68	0.47	-26.2	-25.7	-40.2	1.40		
2.4	66.00	2260.1	2241.0	2224.2	-0.08	0.68	0.52	-26.0	-25.9	-38.9	1.32		
2.5	68.72	2268.9	2249.6	2232.6	-0.08	0.68	0.54	-26.0	-26.0	-37.7	1.26		
2.6	70.96	2278.1	2258.4	2241.3	-0.09	0.68	0.54	-25.7	-25.9	-36.6	1.18		
2.8	72.80	2287.4	2267.5	2250.2	-0.12	0.68	0.53	-25.7	-25.9	-38.4	1.06		
2.9	74.32	2296.9	2276.8	2259.4	-0.12	0.64	0.53	-25.5	-26.6	-39.0	0.90		
3.0	75.28	2306.6	2286.2	2268.6	-0.12	0.64	0.52	-25.3	-27.1	-38.4	0.82		
3.1	75.92	2316.2	2295.7	2278.0	-0.15	0.63	0.51	-25.4	-26.9	-37.5	0.70		
3.3	76.24	2325.9	2305.3	2287.5	-0.20	0.62	0.48	-25.2	-26.9	-39.0	0.44		
3.4	75.04	2335.4	2314.6	2296.8	-0.30	0.59	0.48	-25.1	-26.9	-38.3	0.30		
3.5	73.28	2344.7	2323.8	2306.0	-0.39	0.54	0.47	-25.3	-27.0	-39.2	0.00		
3.6	70.72	2353.6	2332.6	2314.9	-0.46	0.46	0.45	-25.5	-27.3	-37.8	0.36		
3.8	68.40	2362.2	2341.2	2323.5	-0.51	0.39	0.41	-25.6	-27.3	-39.3	0.66		
3.9	64.48	2370.3	2349.3	2331.6	-0.50	0.33	0.35	-25.8	-27.7	-40.1	0.94		
4.0	60.24	2377.8	2356.8	2339.3	-0.48	0.30	0.28	-27.1	-28.0	-39.4	1.08		
4.1	55.76	2384.6	2363.8	2346.4	-0.44	0.30	0.24	-28.0	-27.6	-39.2	1.24		
4.3	51.36	2390.9	2370.2	2353.0	-0.40	0.32	0.20	-28.9	-27.7	-39.9	1.32		
4.4	46.56	2396.5	2376.0	2359.0	-0.38	0.34	0.19	-26.8	-27.9	-38.6	1.26		
4.5	41.52	2401.4	2381.2	2364.3	-0.36	0.37	0.20	-24.8	-27.7	-39.7	1.20		
4.6	37.28	2405.7	2385.8	2369.2	-0.35	0.40	0.22	-23.7	-28.0	-39.5	1.02		
4.8	32.64	2409.5	2389.9	2373.4	-0.34	0.42	0.23	-23.2	-28.3	-40.2	0.84		
4.9	28.80	2412.7	2393.5	2377.2	-0.34	0.43	0.25	-22.8	-28.3	-39.5	0.66		
5.0	25.20	2415.6	2396.7	2380.6	-0.33	0.45	0.27	-22.6	-28.5	-39.9	0.42		
5.1	21.84	2418.0	2399.4	2383.5	-0.34	0.46	0.29	-22.4	-28.3	-40.2	0.12		
5.3	19.44	2420.1	2401.8	2386.1	-0.33	0.46	0.30	-22.4	-28.6	-40.2	0.12		
5.4	16.80	2421.9	2403.9	2388.3	-0.33	0.46	0.31	-22.3	-28.5	-40.4	0.24		
5.5	14.64	2423.5	2405.8	2390.3	-0.33	0.46	0.32	-22.2	-28.8	-39.9	0.42		
5.6	13.20	2424.9	2407.4	2392.1	-0.33	0.47	0.32	-22.0	-28.6	-41.3	0.60		
5.8	11.52	2426.2	2408.9	2393.6	-0.32	0.46	0.32	-22.1	-28.7	-40.3	0.74		
5.9	10.40	2427.3	2410.2	2395.1	-0.32	0.46	0.33	-21.9	-28.5	-40.0	0.86		
6.0	9.36	2428.3	2411.32	2396.31	-0.33	0.46	0.33	-21.9	-28.5	-40.1	0.96		