

Voltage Controlled Oscillator

ROS-ED10102/1

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	34.80	2176.8	2166.2	2154.3	0.37	1.28	1.33	-23.3	-29.8	-40.4	2.70	1	-75
0.3	35.04	2181.1	2170.6	2158.8	0.39	1.27	1.41	-23.6	-30.1	-40.9	2.70	10	-99
0.4	35.84	2185.9	2175.1	2163.3	0.42	1.35	1.44	-23.6	-30.3	-40.0	2.70	100	-119
0.5	36.56	2190.9	2179.7	2167.8	0.51	1.35	1.43	-23.8	-30.2	-40.4	2.80	1000	-139
0.6	40.32	2195.8	2184.7	2172.5	0.49	1.40	1.44	-23.8	-29.7	-40.3	2.94		
0.8	41.60	2200.9	2189.9	2177.3	0.49	1.52	1.49	-23.9	-30.1	-39.6	2.86		
0.9	41.60	2206.0	2195.1	2182.4	0.56	1.50	1.55	-23.8	-30.2	-39.6	2.80		
1.0	43.60	2211.1	2200.5	2188.1	0.55	1.51	1.64	-24.0	-29.8	-40.4	2.70		
1.1	45.84	2217.1	2206.3	2193.9	0.52	1.52	1.72	-24.0	-29.3	-39.4	2.74		
1.3	48.88	2223.8	2212.4	2199.9	0.36	1.38	1.71	-24.6	-29.4	-39.8	2.68		
1.4	53.68	2231.1	2219.1	2206.3	0.45	1.37	1.68	-24.9	-29.1	-39.4	2.86		
1.5	60.08	2238.5	2226.6	2213.1	0.41	1.29	1.59	-24.9	-29.2	-40.1	2.80		
1.6	61.92	2246.5	2234.3	2220.6	0.39	1.16	1.57	-24.9	-28.9	-40.5	2.74		
1.8	64.32	2255.0	2242.4	2228.8	0.20	1.22	1.52	-24.5	-28.5	-39.6	2.62		
1.9	68.64	2264.2	2251.0	2237.2	0.13	1.13	1.35	-24.5	-28.4	-40.3	2.62		
2.0	75.20	2274.0	2260.4	2246.1	0.02	1.04	1.44	-24.2	-27.8	-40.3	2.68		
2.1	78.64	2283.9	2270.2	2255.5	-0.16	0.97	1.31	-24.4	-28.0	-40.8	2.58		
2.3	80.16	2294.2	2280.2	2265.5	-0.15	0.89	1.24	-24.2	-27.3	-41.7	2.46		
2.4	83.36	2305.5	2290.6	2276.0	-0.20	0.88	1.17	-23.8	-27.6	-41.1	2.32		
2.5	87.28	2316.5	2301.5	2286.4	-0.24	0.63	0.95	-23.2	-27.4	-41.9	2.38		
2.6	92.16	2328.0	2313.1	2297.5	-0.20	0.66	0.86	-23.1	-27.4	-41.4	2.08		
2.8	91.20	2339.9	2324.5	2309.1	-0.16	0.59	0.78	-23.4	-26.9	-42.1	1.90		
2.9	95.04	2352.3	2336.3	2320.7	-0.16	0.68	0.77	-23.3	-26.5	-42.8	1.84		
3.0	99.12	2364.6	2348.7	2332.5	-0.14	0.90	0.81	-22.7	-26.4	-42.5	1.56		
3.1	95.28	2377.1	2360.6	2344.7	-0.23	0.91	0.98	-22.2	-26.6	-43.3	1.20		
3.3	95.52	2389.4	2372.6	2356.6	-0.04	0.75	1.02	-21.9	-26.5	-42.3	0.90		
3.4	96.48	2401.2	2384.6	2368.3	-0.26	0.65	1.10	-21.6	-26.4	-44.7	0.42		
3.5	90.00	2412.8	2395.9	2379.9	-0.18	0.75	0.99	-21.0	-26.3	-44.1	0.00		
3.6	88.08	2424.2	2406.9	2391.0	-0.28	0.82	1.08	-20.7	-26.9	-42.5	0.48		
3.8	85.44	2434.5	2417.6	2401.4	-0.28	0.76	0.88	-20.2	-27.5	-43.3	0.96		
3.9	78.48	2444.3	2427.4	2411.5	-0.39	0.74	0.90	-19.8	-27.5	-43.4	1.32		
4.0	73.20	2453.5	2436.5	2421.0	-0.37	0.72	0.89	-19.7	-27.5	-44.7	1.62		
4.1	67.92	2461.9	2445.0	2429.7	-0.38	0.67	0.88	-19.5	-27.8	-44.4	1.80		
4.3	62.40	2469.4	2452.8	2437.6	-0.56	0.65	0.88	-19.3	-28.1	-44.7	1.92		
4.4	57.84	2476.1	2460.1	2444.9	-0.58	0.55	0.78	-18.9	-28.5	-44.2	1.94		
4.5	51.12	2482.1	2466.5	2451.6	-0.50	0.59	0.87	-18.4	-28.5	-43.8	1.76		
4.6	45.60	2487.4	2472.2	2457.7	-0.59	0.49	0.74	-18.4	-28.8	-43.8	1.58		
4.8	40.24	2492.2	2477.2	2463.1	-0.65	0.45	0.83	-18.1	-28.7	-45.6	1.32		
4.9	36.08	2496.3	2481.7	2467.9	-0.44	0.59	0.66	-17.8	-29.1	-44.2	0.96		
5.0	31.92	2499.9	2485.7	2472.2	-0.52	0.47	0.65	-17.7	-29.2	-43.7	0.62		
5.1	28.00	2503.0	2489.2	2475.9	-0.48	0.42	0.65	-17.7	-28.9	-42.8	0.24		
5.3	25.28	2505.7	2492.3	2479.2	-0.54	0.38	0.78	-17.8	-29.2	-44.6	0.12		
5.4	22.08	2508.0	2495.1	2482.2	-0.34	0.54	0.75	-17.6	-29.2	-44.1	0.48		
5.5	19.12	2510.1	2497.5	2484.7	-0.36	0.57	0.69	-17.6	-29.4	-43.7	0.76		
5.6	16.88	2511.9	2499.6	2487.1	-0.28	0.49	0.65	-17.5	-29.2	-44.1	1.02		
5.8	14.88	2513.5	2501.5	2489.1	-0.36	0.38	0.63	-16.9	-29.3	-43.8	1.28		
5.9	13.60	2514.9	2503.2	2491.0	-0.37	0.45	0.63	-16.8	-29.2	-44.6	1.46		
6.0	11.84	2516.21	2504.64	2492.64	-0.30	0.48	0.71	-16.7	-29.2	-43.9	1.68		