

Voltage Controlled Oscillator

ROS-ED9764/1

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			
0.2	25.00	2270.1	2254.3	2243.8	2.69	3.31	3.18	-23.3	-24.9	-41.4	1.64	1	-80
0.3	25.13	2273.8	2258.1	2247.3	2.69	3.31	3.18	-23.2	-25.1	-40.2	1.66	10	-102
0.5	25.00	2277.6	2261.8	2250.8	2.69	3.30	3.17	-23.3	-25.4	-42.6	1.70	100	-122
0.6	25.80	2281.5	2265.7	2254.4	2.66	3.30	3.17	-23.4	-25.5	-42.0	1.70	1000	-142
0.8	26.80	2285.6	2269.7	2258.2	2.66	3.30	3.17	-23.4	-25.5	-41.4	1.70		
0.9	28.40	2289.9	2274.0	2262.1	2.66	3.30	3.15	-23.4	-25.9	-40.8	1.70		
1.1	29.80	2294.5	2278.4	2266.3	2.65	3.30	3.15	-23.5	-26.1	-41.4	1.74		
1.2	31.87	2299.4	2283.2	2270.8	2.64	3.30	3.14	-23.5	-26.2	-40.7	1.76		
1.4	34.33	2304.7	2288.4	2275.7	2.63	3.29	3.13	-23.6	-26.6	-40.9	1.70		
1.5	36.73	2310.5	2293.9	2280.9	2.60	3.28	3.12	-23.7	-26.7	-40.9	1.76		
1.7	39.73	2316.7	2299.8	2286.6	2.57	3.26	3.11	-23.8	-27.1	-40.8	1.80		
1.8	42.67	2323.3	2306.2	2292.6	2.51	3.24	3.11	-24.0	-27.1	-39.8	1.80		
2.0	46.00	2330.5	2313.1	2299.2	2.43	3.22	3.09	-24.2	-26.8	-40.4	1.74		
2.1	49.00	2338.2	2320.5	2306.2	2.33	3.17	3.07	-24.7	-26.7	-41.0	1.76		
2.3	52.13	2346.4	2328.3	2313.7	2.24	3.10	3.04	-24.9	-26.7	-40.4	1.68		
2.4	55.07	2355.0	2336.6	2321.6	2.16	3.02	2.99	-25.4	-26.8	-40.2	1.60		
2.6	57.87	2364.0	2345.2	2330.0	2.12	2.93	2.92	-25.7	-26.6	-40.8	1.56		
2.7	60.67	2373.4	2354.3	2338.8	2.13	2.85	2.83	-26.8	-26.5	-40.6	1.44		
2.9	62.27	2383.0	2363.7	2347.8	2.15	2.81	2.73	-30.1	-26.5	-40.8	1.38		
3.0	64.47	2392.9	2373.4	2357.2	2.15	2.81	2.68	-28.8	-26.6	-40.2	1.18		
3.2	65.27	2402.9	2383.1	2366.8	2.14	2.83	2.66	-24.7	-26.4	-40.5	0.96		
3.3	65.47	2412.9	2393.0	2376.5	2.11	2.83	2.67	-23.8	-26.5	-40.1	0.78		
3.5	64.87	2422.7	2402.7	2386.1	2.08	2.82	2.69	-23.5	-26.5	-40.5	0.54		
3.6	63.67	2432.3	2412.2	2395.5	2.07	2.80	2.69	-23.5	-26.5	-40.5	0.18		
3.8	61.13	2441.5	2421.4	2404.6	2.06	2.78	2.68	-23.4	-26.5	-40.3	0.12		
3.9	58.27	2450.3	2430.2	2413.4	2.08	2.76	2.65	-23.3	-26.4	-40.0	0.48		
4.1	54.27	2458.4	2438.3	2421.5	2.13	2.76	2.65	-23.0	-26.7	-39.9	0.78		
4.2	50.53	2465.8	2445.9	2429.1	2.14	2.77	2.63	-22.9	-26.9	-40.2	0.96		
4.4	45.47	2472.4	2452.7	2436.0	2.14	2.82	2.63	-22.7	-26.9	-40.8	1.02		
4.5	41.13	2478.4	2458.9	2442.2	2.17	2.85	2.64	-22.5	-27.5	-40.9	1.08		
4.7	36.33	2483.6	2464.3	2447.8	2.18	2.87	2.68	-22.6	-27.3	-40.0	0.96		
4.8	31.53	2488.1	2469.0	2452.6	2.18	2.88	2.71	-22.3	-27.6	-40.1	0.78		
5.0	27.67	2492.0	2473.2	2456.8	2.19	2.90	2.71	-22.0	-27.2	-40.1	0.54		
5.1	23.73	2495.2	2476.8	2460.4	2.19	2.89	2.73	-22.0	-27.6	-41.1	0.24		
5.3	20.47	2498.0	2479.8	2463.6	2.20	2.90	2.75	-21.7	-27.3	-41.1	0.00		
5.4	17.27	2500.3	2482.4	2466.2	2.20	2.90	2.74	-21.6	-27.5	-41.1	0.24		
5.6	15.07	2502.3	2484.7	2468.5	2.21	2.90	2.76	-21.6	-27.7	-41.2	0.56		
5.7	12.67	2504.0	2486.6	2470.5	2.21	2.91	2.75	-21.4	-27.4	-39.9	0.76		
5.9	11.00	2505.5	2488.2	2472.2	2.22	2.91	2.75	-21.5	-27.6	-40.2	0.96		
6.0	9.67	2506.8	2489.7	2473.7	2.21	2.91	2.77	-21.5	-27.7	-40.9	1.14		