

Voltage Controlled Oscillator

ROS-2510-219+

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			
0.0	127.30	2130.7	2097.3	2081.8	5.15	4.67	4.24	-24.8	-24.3	-44.4	4.72	1	-72
0.3	111.85	2160.3	2129.2	2115.0	5.12	4.73	4.34	-23.9	-23.9	-43.3	3.08	10	-97
0.5	107.51	2188.1	2157.1	2143.3	5.16	4.69	4.33	-23.4	-24.2	-43.0	2.40	100	-119
0.8	99.43	2213.4	2184.0	2170.2	5.20	4.69	4.27	-23.1	-24.6	-43.0	2.01	1000	-139
1.0	96.80	2238.3	2208.8	2195.7	5.21	4.77	4.35	-23.1	-26.3	-42.3	1.70		
1.3	97.75	2262.8	2233.0	2219.7	5.20	4.78	4.38	-23.1	-26.7	-41.4	1.48		
1.5	96.57	2287.0	2257.5	2244.0	5.14	4.77	4.38	-23.0	-25.4	-41.9	1.27		
1.8	96.51	2311.0	2281.6	2268.2	5.13	4.75	4.39	-22.7	-24.8	-43.0	1.09		
2.0	96.03	2335.3	2305.8	2292.3	5.05	4.74	4.37	-22.5	-25.2	-43.2	0.93		
2.3	101.30	2360.4	2329.8	2316.2	5.06	4.67	4.35	-22.7	-25.2	-41.0	0.77		
2.5	99.19	2385.0	2355.1	2341.1	5.07	4.67	4.28	-22.7	-26.1	-39.9	0.67		
2.8	101.62	2410.8	2379.9	2366.1	5.01	4.70	4.33	-22.9	-26.5	-38.7	0.66		
3.0	102.99	2436.2	2405.3	2390.9	4.97	4.62	4.32	-23.2	-26.6	-38.8	0.80		
3.3	101.24	2461.9	2431.0	2417.0	4.88	4.64	4.31	-23.2	-27.2	-39.2	1.12		
3.5	102.60	2487.9	2456.3	2442.1	4.80	4.55	4.29	-23.4	-27.5	-39.6	1.67		
3.8	99.11	2513.3	2482.0	2467.6	4.71	4.45	4.18	-23.4	-28.3	-40.8	2.41		
4.0	96.50	2538.0	2506.8	2492.5	4.68	4.40	4.11	-23.4	-28.8	-41.3	3.31		
4.3	89.35	2561.6	2530.9	2516.7	4.55	4.37	4.07	-23.2	-30.0	-41.6	4.17		
4.5	88.29	2585.2	2553.2	2539.4	4.48	4.28	4.05	-23.3	-30.8	-41.6	5.11		
4.8	82.35	2606.3	2575.3	2560.8	4.51	4.17	3.94	-22.6	-31.7	-43.2	6.16		
5.0	70.54	2625.6	2595.9	2581.7	4.40	4.16	3.88	-22.0	-32.3	-42.9	6.35		
5.3	64.25	2643.9	2613.5	2600.2	4.30	4.18	3.86	-22.1	-32.6	-43.2	6.74		
5.5	60.68	2660.3	2629.6	2616.3	4.26	4.11	3.88	-22.0	-31.8	-43.7	6.86		
5.8	53.30	2674.9	2644.8	2631.0	4.26	4.01	3.78	-21.9	-32.7	-44.1	7.00		
6.0	46.58	2687.5	2658.1	2644.4	4.21	3.95	3.72	-22.0	-32.4	-44.3	6.39		
6.3	40.15	2698.7	2669.7	2656.3	4.19	3.90	3.66	-22.0	-32.1	-44.2	5.79		
6.5	34.68	2708.5	2679.8	2666.5	4.18	3.89	3.61	-22.0	-32.2	-44.5	5.02		
6.8	29.95	2716.9	2688.4	2675.3	4.16	3.87	3.60	-21.8	-31.7	-44.9	4.26		
7.0	29.95	2724.0	2695.9	2683.0	4.12	3.86	3.58	-21.9	-31.7	-44.0	3.54		