

Voltage Controlled Oscillator

ROS-ED10414/1

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	30.90	2386.8	2371.3	2359.2	-0.60	0.33	0.34	-16.0	-31.1	-39.2	4.74	1	-75
0.2	31.20	2389.9	2374.4	2362.3	-0.61	0.33	0.30	-16.0	-31.0	-38.5	4.76	10	-97
0.3	31.80	2393.0	2377.6	2365.5	-0.64	0.31	0.30	-16.1	-30.7	-39.8	4.68	100	-117
0.4	31.80	2396.2	2380.7	2368.7	-0.62	0.31	0.29	-16.0	-30.3	-39.7	4.68	1000	-137
0.5	32.10	2399.5	2384.0	2371.8	-0.66	0.28	0.26	-16.1	-30.6	-39.4	4.74		
0.6	32.90	2402.8	2387.2	2375.1	-0.70	0.28	0.27	-16.0	-30.5	-38.9	4.77		
0.7	34.20	2406.3	2390.7	2378.4	-0.69	0.28	0.25	-16.0	-30.4	-39.1	4.76		
0.8	35.40	2409.9	2394.2	2381.9	-0.75	0.25	0.24	-16.0	-30.5	-39.7	4.68		
0.9	36.60	2413.6	2397.9	2385.5	-0.80	0.23	0.23	-16.0	-30.0	-39.7	4.68		
1.0	38.10	2417.6	2401.7	2389.2	-0.84	0.25	0.21	-16.0	-29.9	-39.3	4.68		
1.1	40.20	2421.7	2405.7	2393.1	-0.86	0.19	0.18	-16.2	-30.3	-39.5	4.68		
1.2	42.20	2426.1	2409.9	2397.2	-0.90	0.16	0.19	-16.1	-29.9	-39.9	4.68		
1.3	44.40	2430.8	2414.4	2401.5	-0.98	0.09	0.16	-16.1	-30.4	-40.3	4.71		
1.4	47.10	2435.7	2419.1	2406.0	-1.03	0.03	0.12	-16.2	-30.2	-39.8	4.68		
1.5	49.50	2440.9	2424.0	2410.8	-1.09	-0.04	0.06	-16.1	-30.1	-40.6	4.68		
1.6	52.50	2446.4	2429.3	2415.9	-1.15	-0.11	0.01	-16.2	-30.1	-40.0	4.62		
1.7	55.70	2452.2	2434.8	2421.2	-1.16	-0.17	-0.07	-16.3	-30.1	-40.3	4.59		
1.8	58.50	2458.4	2440.7	2426.8	-1.16	-0.21	-0.13	-16.2	-29.6	-39.9	4.59		
1.9	61.80	2464.9	2446.9	2432.8	-1.18	-0.25	-0.26	-16.4	-29.6	-40.2	4.62		
2.0	65.10	2471.7	2453.4	2439.1	-1.14	-0.28	-0.30	-16.5	-30.0	-40.7	4.50		
2.1	67.70	2478.8	2460.1	2445.6	-1.09	-0.29	-0.36	-16.6	-30.0	-40.8	4.41		
2.2	70.60	2486.1	2467.2	2452.5	-1.08	-0.28	-0.38	-16.5	-30.7	-40.9	4.50		
2.3	73.60	2493.8	2474.6	2459.7	-0.98	-0.26	-0.39	-16.5	-30.7	-40.5	4.41		
2.4	76.50	2501.6	2482.2	2467.1	-0.92	-0.23	-0.36	-16.5	-30.3	-39.6	4.41		
2.5	78.70	2509.8	2490.1	2474.8	-0.84	-0.17	-0.35	-16.3	-30.0	-40.2	4.32		
2.6	80.50	2518.1	2498.1	2482.7	-0.76	-0.08	-0.30	-16.4	-29.3	-39.9	4.09		
2.7	82.80	2526.5	2506.4	2490.9	-0.76	0.01	-0.27	-16.5	-29.4	-39.7	4.18		
2.8	84.20	2535.2	2514.8	2499.2	-0.78	0.08	-0.17	-16.5	-29.5	-40.4	4.09		
2.9	86.40	2544.0	2523.5	2507.7	-0.80	0.13	-0.07	-16.7	-30.2	-40.7	4.00		
3.0	87.60	2552.9	2532.2	2516.2	-0.87	0.11	-0.03	-16.7	-30.1	-40.7	3.91		
3.1	87.70	2561.9	2541.0	2524.9	-0.92	0.08	0.02	-16.6	-29.4	-40.3	3.82		
3.2	88.40	2571.0	2549.8	2533.6	-1.01	0.03	0.02	-17.0	-29.5	-38.8	3.65		
3.3	89.00	2580.1	2558.7	2542.4	-1.12	-0.05	-0.04	-17.0	-29.0	-39.1	3.44		
3.4	88.30	2589.0	2567.6	2551.1	-1.21	-0.14	-0.09	-17.2	-28.8	-39.0	3.27		
3.5	87.00	2597.8	2576.3	2559.9	-1.31	-0.18	-0.16	-17.2	-29.7	-38.4	2.94		
3.6	85.70	2606.4	2584.8	2568.4	-1.34	-0.29	-0.27	-17.3	-30.2	-38.1	2.62		
3.7	83.00	2614.7	2593.1	2576.7	-1.41	-0.37	-0.30	-17.3	-30.2	-38.0	2.35		
3.8	78.90	2622.5	2601.0	2584.7	-1.44	-0.43	-0.40	-17.3	-30.2	-38.0	1.94		
3.9	75.70	2630.1	2608.6	2592.3	-1.42	-0.52	-0.43	-17.3	-30.2	-37.9	1.65		
4.0	70.70	2637.0	2615.7	2599.5	-1.42	-0.54	-0.53	-17.4	-30.1	-37.9	1.47		