

Voltage Controlled Oscillator

POS-EDR5189

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			
0.5	16.11	2398.3	2367.4	2341.7	-0.37	-0.89	-3.31	-18.3	-29.2	-58.8	1.28	1	-70
1.0	13.89	2405.1	2374.4	2348.6	-0.37	-0.91	-3.18	-18.4	-29.1	-56.3	1.29	10	-96
1.5	13.03	2411.5	2380.9	2355.0	-0.36	-0.94	-3.11	-18.7	-29.7	-55.0	1.32	100	-115
2.0	13.09	2417.7	2387.4	2361.1	-0.36	-0.95	-3.05	-18.8	-29.3	-54.6	1.37	1000	-134
2.5	12.68	2424.0	2393.8	2367.1	-0.38	-0.90	-3.04	-18.8	-28.8	-53.9	1.32		
3.0	12.33	2430.3	2399.9	2373.3	-0.42	-0.89	-3.09	-18.8	-29.1	-53.7	1.33		
3.5	12.86	2436.8	2406.4	2379.9	-0.47	-0.97	-3.12	-19.3	-29.4	-53.4	1.37		
4.0	13.25	2443.3	2413.0	2386.6	-0.53	-1.04	-3.10	-19.7	-30.2	-53.8	1.37		
4.5	13.55	2450.1	2419.8	2393.4	-0.59	-1.08	-3.07	-19.7	-31.0	-56.3	1.36		
5.0	14.02	2456.9	2426.8	2400.3	-0.62	-1.10	-3.03	-19.3	-31.3	-53.8	1.36		
5.5	14.34	2463.9	2433.9	2407.5	-0.64	-1.11	-3.04	-19.1	-31.7	-51.9	1.37		
6.0	14.89	2471.2	2441.4	2414.8	-0.71	-1.08	-3.03	-19.4	-32.9	-49.2	1.38		
6.5	14.88	2478.9	2448.8	2422.3	-0.76	-1.04	-3.01	-19.8	-34.7	-47.6	1.33		
7.0	15.21	2486.7	2456.4	2430.1	-0.81	-1.08	-3.00	-19.9	-35.3	-47.0	1.37		
7.5	16.09	2494.7	2464.5	2438.1	-0.87	-1.14	-2.97	-19.6	-36.7	-45.9	1.38		
8.0	16.49	2502.9	2472.7	2446.3	-0.91	-1.15	-2.91	-19.9	-38.8	-47.5	1.38		
8.5	16.97	2511.4	2481.2	2454.7	-0.89	-1.09	-2.83	-20.8	-37.2	-48.4	1.39		
9.0	17.45	2520.0	2489.9	2463.3	-0.92	-1.03	-2.72	-22.0	-39.1	-48.1	1.39		
9.5	17.98	2528.9	2498.9	2471.8	-0.97	-1.01	-2.64	-21.1	-37.3	-45.9	1.41		
10.0	18.34	2537.9	2508.1	2480.8	-1.02	-1.00	-2.64	-20.5	-39.3	-44.1	1.42		
10.5	18.40	2547.0	2517.3	2489.8	-1.10	-0.95	-2.64	-21.0	-39.6	-43.4	1.42		
11.0	18.67	2556.2	2526.6	2499.0	-1.16	-0.96	-2.59	-21.4	-42.1	-45.0	1.46		
11.5	18.92	2565.3	2536.1	2508.2	-1.17	-1.07	-2.50	-21.2	-43.4	-46.0	1.46		
12.0	18.95	2574.6	2545.6	2517.5	-1.19	-1.21	-2.43	-20.9	-41.9	-44.4	1.48		
12.5	19.05	2584.0	2555.1	2527.0	-1.22	-1.28	-2.37	-21.2	-41.8	-41.6	1.49		
13.0	18.91	2593.5	2564.5	2536.5	-1.21	-1.31	-2.34	-20.9	-41.2	-39.7	1.49		
13.5	18.72	2603.0	2573.9	2546.0	-1.20	-1.29	-2.37	-19.9	-42.6	-39.6	1.49		
14.0	18.30	2612.4	2583.1	2555.4	-1.20	-1.26	-2.34	-19.3	-44.9	-37.8	1.50		