

Voltage Controlled Oscillator

MOS-EDR6459

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			
0.3	29.80	2513.8	2502.9	2494.0	1.36	1.78	1.94	-19.6	-32.8	-40.9	1.82	1	-79
0.5	27.33	2521.0	2510.3	2501.8	1.39	1.81	1.98	-19.6	-32.7	-40.0	1.85	10	-103
0.8	25.61	2527.7	2517.2	2508.8	1.43	1.85	2.03	-19.5	-32.4	-40.5	1.88	100	-123
1.0	24.37	2534.0	2523.6	2515.3	1.47	1.91	2.09	-19.4	-33.4	-40.0	1.90	1000	-143
1.3	23.58	2540.1	2529.7	2521.4	1.51	1.96	2.15	-19.3	-33.5	-40.3	1.92		
1.5	22.70	2546.0	2535.6	2527.3	1.54	2.00	2.20	-19.3	-33.2	-40.2	1.96		
1.8	21.87	2551.5	2541.2	2532.9	1.56	2.03	2.22	-19.3	-33.7	-40.3	1.95		
2.0	21.30	2557.0	2546.7	2538.4	1.58	2.04	2.24	-19.2	-33.7	-41.3	1.95		
2.3	20.86	2562.3	2552.0	2543.8	1.60	2.05	2.25	-19.1	-33.5	-40.4	1.96		
2.5	20.51	2567.5	2557.2	2549.0	1.62	2.08	2.26	-19.0	-33.4	-40.6	1.96		
2.8	20.32	2572.7	2562.4	2554.1	1.63	2.10	2.30	-19.0	-33.4	-40.5	1.96		
3.0	20.20	2577.8	2567.5	2559.2	1.65	2.13	2.36	-19.0	-33.2	-41.6	1.98		
3.3	19.86	2582.8	2572.5	2564.2	1.67	2.17	2.42	-19.0	-33.8	-42.9	1.98		
3.5	19.58	2587.8	2577.5	2569.1	1.67	2.19	2.44	-19.0	-33.8	-41.9	1.97		
3.8	19.43	2592.7	2582.4	2574.0	1.65	2.19	2.46	-19.0	-33.6	-41.7	1.96		
4.0	19.30	2597.6	2587.2	2578.9	1.64	2.18	2.48	-18.9	-33.8	-42.9	1.95		
4.3	19.20	2602.4	2592.0	2583.7	1.64	2.17	2.48	-18.9	-34.0	-42.6	1.95		
4.5	19.16	2607.2	2596.9	2588.5	1.65	2.16	2.48	-18.8	-33.9	-42.6	1.93		
4.8	19.16	2612.1	2601.6	2593.3	1.66	2.17	2.49	-18.8	-33.6	-43.3	1.93		
5.0	19.22	2616.9	2606.4	2598.1	1.66	2.19	2.48	-18.8	-33.5	-43.3	1.93		
5.3	19.30	2621.8	2611.2	2602.8	1.66	2.20	2.48	-18.8	-34.0	-43.1	1.93		
5.5	19.31	2626.6	2616.1	2607.6	1.64	2.21	2.49	-18.7	-33.9	-43.5	1.92		
5.8	19.32	2631.5	2620.9	2612.4	1.63	2.21	2.51	-18.6	-34.3	-43.1	1.90		
6.0	19.38	2636.3	2625.7	2617.2	1.64	2.21	2.54	-18.5	-34.1	-43.9	1.89		
6.3	19.50	2641.2	2630.6	2622.1	1.66	2.23	2.55	-18.5	-33.7	-43.3	1.88		
6.5	19.64	2646.1	2635.4	2626.9	1.67	2.23	2.55	-18.5	-33.9	-43.0	1.87		
6.8	19.74	2651.0	2640.3	2631.8	1.66	2.23	2.55	-18.3	-33.6	-42.7	1.86		
7.0	19.74	2656.0	2645.3	2636.7	1.64	2.23	2.55	-18.2	-34.2	-43.7	1.86		