

Voltage Controlled Oscillator

ROS-EDR3980/2

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	111.90	2295.7	2272.1	2246.3	4.17	4.26	3.90	-17.4	-51.6	-38.1	0.19	1	-69
0.5	127.50	2325.0	2304.0	2274.2	4.33	3.88	3.84	-16.4	-48.5	-37.2	-0.26	10	-95
0.8	96.30	2352.5	2328.1	2303.6	3.80	4.20	3.35	-16.5	-46.5	-37.8	-0.38	100	-115
1.0	123.10	2379.1	2358.9	2329.5	3.79	3.73	3.76	-15.7	-43.0	-36.7	0.32	1000	-135
1.3	92.90	2403.4	2382.1	2356.2	4.08	4.10	3.32	-17.1	-41.4	-37.1	1.15		
1.5	124.20	2433.5	2413.1	2385.5	3.55	3.59	3.07	-16.7	-38.6	-38.4	1.79		
1.8	95.50	2459.8	2437.0	2408.2	3.80	3.87	3.44	-17.3	-37.5	-38.0	2.30		
2.0	135.90	2489.0	2471.0	2439.1	3.96	3.33	2.99	-16.1	-34.3	-38.3	0.90		
2.3	103.70	2519.2	2496.9	2471.2	3.94	3.49	2.57	-17.8	-33.5	-40.1	-1.02		
2.5	130.00	2549.1	2529.4	2498.0	3.84	3.41	2.80	-17.0	-31.9	-40.1	-1.34		
2.8	114.20	2573.5	2558.0	2529.2	3.59	3.32	2.65	-17.5	-31.0	-42.1	-0.77		
3.0	120.60	2611.4	2588.1	2560.1	3.25	3.19	2.63	-17.8	-30.5	-43.0	1.28		
3.3	123.60	2640.5	2619.0	2590.9	2.79	2.58	1.06	-19.1	-31.7	-46.2	4.54		
3.5	110.30	2668.5	2646.6	2625.2	2.52	2.71	1.45	-18.3	-29.2	-45.7	0.90		
3.8	140.80	2694.1	2681.8	2649.8	2.42	1.91	1.50	-18.5	-29.4	-45.9	-4.67		
4.0	96.30	2727.6	2705.9	2681.2	1.50	2.16	0.73	-19.8	-30.6	-48.5	-5.50		
4.3	127.00	2759.0	2737.6	2708.9	1.44	1.58	-0.67	-19.9	-31.2	-49.1	0.00		
4.5	85.20	2777.2	2758.9	2742.7	1.59	1.75	-3.21	-20.4	-31.1	-48.7	1.98		
4.8	110.30	2803.3	2786.5	2768.8	0.63	0.96	-1.27	-21.4	-33.4	-52.8	3.26		
5.0	84.20	2833.9	2807.6	2790.2	0.13	0.99	-2.82	-21.5	-33.1	-51.3	0.19		