

Voltage Controlled Oscillator

ROS-EDR5766

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	88.58	2602.2	2582.5	2558.0	2.36	2.75	3.13	-12.2	-23.5	-28.8	0.83	1	-68
0.5	77.82	2621.3	2601.9	2578.7	2.75	2.96	3.22	-12.7	-24.3	-30.6	0.77	10	-93
0.8	73.22	2638.1	2620.2	2597.3	2.96	3.22	3.33	-13.1	-25.0	-32.2	0.90	100	-115
1.0	66.30	2654.8	2636.8	2615.2	2.98	3.45	3.35	-14.2	-24.9	-32.7	0.90	1000	-136
1.3	66.05	2671.7	2653.3	2632.7	3.07	3.43	3.39	-14.5	-26.1	-34.0	0.96		
1.5	70.40	2688.3	2670.9	2649.7	3.12	3.41	3.38	-14.9	-27.3	-36.4	1.02		
1.8	70.40	2705.5	2688.5	2667.8	3.14	3.41	3.20	-15.1	-28.7	-35.4	1.02		
2.0	73.47	2723.1	2706.9	2686.3	3.17	3.38	3.18	-15.4	-30.8	-38.4	1.09		
2.3	74.75	2741.2	2725.6	2705.2	3.14	3.38	3.14	-15.2	-34.2	-41.0	1.09		
2.5	74.50	2760.5	2744.2	2724.4	2.99	3.38	3.04	-15.1	-36.4	-43.1	0.96		
2.8	78.85	2780.3	2763.9	2743.5	2.89	3.25	3.11	-15.0	-40.0	-42.4	0.96		
3.0	79.87	2800.3	2783.9	2762.8	2.78	3.19	3.03	-14.4	-43.7	-44.8	0.96		
3.3	78.34	2820.2	2803.5	2782.2	2.71	3.13	3.00	-14.5	-47.1	-47.2	0.83		
3.5	77.06	2839.4	2822.7	2801.3	2.67	3.10	3.06	-14.0	-48.0	-45.1	0.77		
3.8	73.98	2858.0	2841.2	2820.0	2.57	3.09	3.08	-13.9	-48.7	-45.2	0.64		
4.0	70.91	2876.1	2858.9	2838.0	2.46	3.01	3.06	-13.5	-46.0	-44.5	0.64		
4.3	68.86	2893.1	2876.2	2854.4	2.38	2.94	3.08	-13.1	-44.0	-41.0	0.58		
4.5	63.49	2909.4	2892.0	2870.1	2.27	2.89	3.02	-12.9	-40.1	-40.9	0.51		
4.8	60.42	2924.7	2907.1	2885.3	2.18	2.80	2.89	-12.6	-39.3	-40.0	0.64		
5.0	56.06	2938.2	2921.2	2899.4	2.11	2.73	2.85	-12.5	-37.5	-40.1	0.51		
5.3	50.43	2950.7	2933.8	2912.3	2.04	2.67	2.83	-12.5	-35.0	-41.1	0.51		
5.5	45.06	2962.4	2945.0	2924.0	1.94	2.62	2.80	-11.9	-34.5	-41.0	0.58		
5.8	41.47	2972.7	2955.4	2934.2	1.85	2.53	2.78	-11.7	-33.9	-40.7	0.45		
6.0	38.66	2981.8	2965.1	2943.2	1.74	2.45	2.71	-11.8	-33.3	-39.8	0.58		
6.3	33.02	2990.3	2973.3	2951.3	1.68	2.37	2.66	-11.9	-32.9	-40.8	0.58		
6.5	29.18	2998.0	2980.6	2958.9	1.60	2.31	2.57	-11.6	-31.3	-42.1	0.51		
6.8	26.62	3004.9	2987.3	2965.8	1.56	2.23	2.48	-11.3	-31.5	-40.9	0.64		
7.0	23.81	3010.9	2993.2	2971.9	1.50	2.20	2.40	-11.1	-31.5	-41.2	0.64		