

Voltage Controlled Oscillator

ROS-ED10194/2

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			
0.0	21.20	2503.2	2484.5	2472.8	5.12	4.99	2.45	-46.2	-43.3	-58.4	0.33	1	-75
0.2	21.28	2507.5	2488.7	2476.9	5.12	4.99	2.54	-46.1	-43.2	-58.4	0.35	10	-100
0.4	22.11	2511.9	2493.0	2481.0	5.22	5.14	2.75	-46.4	-43.1	-57.8	0.36	100	-120
0.6	23.46	2516.5	2497.5	2485.3	5.21	5.14	3.01	-46.3	-42.7	-58.3	0.37	1000	-138
0.8	25.31	2521.5	2502.2	2489.8	5.25	5.16	3.25	-46.3	-42.1	-57.7	0.39		
1.0	28.00	2527.0	2507.5	2494.8	5.26	5.28	3.58	-46.5	-42.0	-58.4	0.41		
1.2	31.05	2533.0	2513.3	2500.3	5.39	5.29	3.74	-46.3	-42.3	-59.0	0.43		
1.4	34.30	2539.8	2519.9	2506.5	5.30	5.35	4.00	-46.6	-42.0	-57.8	0.47		
1.6	38.14	2547.4	2527.1	2513.4	5.24	5.43	4.15	-46.6	-42.0	-58.6	0.49		
1.8	42.68	2555.8	2535.2	2521.1	5.12	5.47	4.39	-46.5	-41.8	-57.8	0.49		
2.0	46.95	2565.1	2544.1	2529.6	5.10	5.45	4.62	-46.5	-41.2	-57.3	0.48		
2.2	51.00	2575.2	2553.8	2538.8	5.16	5.34	4.81	-46.8	-41.3	-57.5	0.46		
2.4	54.17	2585.8	2564.2	2548.8	5.08	5.33	4.97	-46.4	-40.5	-56.2	0.42		
2.6	56.47	2596.9	2575.2	2559.5	5.21	5.31	4.97	-46.7	-40.5	-55.6	0.35		
2.8	58.00	2608.5	2586.6	2570.7	5.29	5.51	5.05	-47.0	-41.4	-54.7	0.23		
3.0	58.50	2620.5	2598.2	2582.1	5.41	5.66	5.08	-46.4	-41.4	-55.4	0.05		
3.2	58.50	2632.4	2609.9	2593.5	5.33	5.76	5.31	-46.7	-41.7	-55.2	0.18		
3.4	56.67	2644.0	2621.5	2604.9	5.32	5.64	5.47	-46.5	-41.5	-54.7	0.47		
3.6	52.10	2654.8	2632.5	2615.8	5.43	5.90	5.63	-46.4	-41.0	-55.0	0.79		
3.8	47.28	2664.8	2642.5	2625.9	5.35	5.76	5.58	-46.1	-40.9	-54.8	1.05		
4.0	42.05	2673.8	2651.5	2635.1	5.40	5.80	5.77	-45.5	-40.9	-54.8	1.20		
4.2	35.84	2681.5	2659.4	2643.0	5.47	5.67	5.72	-45.3	-41.0	-55.8	1.20		
4.4	30.00	2688.0	2666.3	2649.9	5.49	5.78	5.69	-45.5	-40.8	-56.0	1.09		
4.6	24.50	2693.4	2672.0	2655.7	5.50	5.67	5.66	-45.3	-40.9	-55.2	0.90		
4.8	19.87	2697.7	2676.6	2660.5	5.45	5.77	5.63	-45.0	-40.9	-55.4	0.61		
5.0	15.82	2701.2	2680.4	2664.5	5.45	5.75	5.59	-45.0	-41.1	-56.0	0.35		
5.2	12.61	2703.9	2683.4	2667.7	5.40	5.72	5.73	-44.9	-40.9	-56.5	0.09		
5.4	10.05	2706.1	2685.9	2670.3	5.36	5.78	5.65	-44.9	-40.9	-56.3	0.10		
5.6	8.27	2708.0	2687.9	2672.4	5.31	5.76	5.64	-44.8	-40.9	-56.3	0.27		
5.8	6.83	2709.5	2689.6	2674.2	5.37	5.74	5.62	-44.7	-40.8	-56.1	0.38		