

Voltage Controlled Oscillator

ROSA-ED9473/3

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	48.66	2608.2	2587.0	2569.7	-3.83	-5.15	-6.48	-39.4	-35.9	-38.7	0.95	1	-79
1.0	35.22	2626.0	2604.6	2588.3	-3.72	-5.17	-6.54	-39.0	-36.9	-38.8	1.47	10	-105
1.5	30.00	2641.0	2619.6	2603.1	-3.43	-5.21	-6.64	-39.8	-36.3	-39.0	1.84	100	-125
2.0	26.92	2654.5	2633.0	2616.6	-3.29	-5.36	-6.87	-39.2	-34.8	-39.1	2.15	1000	-145
2.5	24.94	2666.9	2645.5	2629.0	-3.28	-5.39	-7.10	-39.6	-33.0	-38.8	2.35		
3.0	23.60	2678.7	2657.3	2640.7	-3.21	-5.34	-7.11	-38.7	-34.1	-39.1	2.57		
3.5	22.66	2690.0	2668.6	2651.9	-3.24	-5.44	-7.38	-39.1	-34.1	-39.1	2.76		
4.0	22.08	2700.9	2679.7	2662.9	-3.34	-5.52	-7.44	-38.8	-34.7	-38.4	2.95		
4.5	21.66	2711.7	2690.5	2673.6	-3.52	-5.64	-7.56	-39.1	-34.9	-39.5	3.14		
5.0	21.46	2722.4	2701.2	2684.3	-3.71	-5.81	-7.77	-38.9	-34.7	-39.4	3.33		
5.5	21.40	2733.0	2711.9	2695.0	-4.04	-6.03	-7.87	-38.2	-34.2	-39.1	3.52		
6.0	21.54	2743.6	2722.7	2705.7	-4.46	-6.47	-8.20	-38.2	-32.5	-38.1	3.68		
6.5	21.80	2754.4	2733.6	2716.7	-4.80	-6.54	-8.24	-37.5	-34.1	-38.1	3.90		
7.0	22.12	2765.3	2744.7	2727.7	-5.13	-6.84	-8.50	-37.7	-34.2	-37.2	4.10		
7.5	22.54	2776.4	2755.9	2739.0	-5.41	-7.10	-8.79	-37.5	-35.5	-37.3	4.26		
8.0	22.94	2787.7	2767.4	2750.6	-5.62	-7.32	-8.97	-37.5	-35.3	-36.8	4.38		
8.5	23.38	2799.2	2779.1	2762.4	-5.66	-7.45	-9.12	-35.6	-33.1	-37.0	4.44		
9.0	23.48	2810.6	2790.8	2774.3	-5.47	-7.40	-9.22	-35.5	-32.7	-37.6	4.44		
9.5	23.36	2821.7	2802.5	2786.2	-5.11	-7.21	-9.21	-36.4	-30.5	-37.0	4.39		
10.0	22.62	2832.0	2813.8	2797.9	-4.86	-6.94	-9.09	-36.2	-30.7	-37.2	4.17		
10.5	21.70	2841.5	2824.7	2809.4	-4.72	-6.53	-8.86	-35.4	-30.1	-37.8	3.90		
11.0	20.18	2850.4	2834.8	2820.3	-4.97	-6.33	-8.58	-36.5	-29.8	-37.0	3.62		
11.5	18.74	2861.5	2844.1	2830.7	-4.64	-6.30	-8.46	-37.0	-30.0	-37.4	3.33		
12.0	18.06	2871.2	2853.2	2840.4	-4.01	-6.77	-8.44	-37.0	-28.9	-36.3	3.65		
12.5	21.16	2879.5	2863.7	2849.5	-3.88	-6.44	-8.77	-35.9	-30.0	-37.3	4.07		
13.0	17.50	2887.4	2872.5	2858.8	-3.95	-6.34	-9.28	-36.2	-29.2	-37.2	3.50		
13.5	15.86	2895.1	2880.4	2867.9	-4.21	-6.53	-9.35	-35.7	-27.5	-36.2	3.36		
14.0	15.06	2902.4	2888.0	2875.8	-4.23	-6.87	-9.75	-36.0	-27.3	-37.4	3.29		
14.5	14.26	2909.3	2895.1	2883.1	-4.58	-7.43	-10.14	-35.0	-26.6	-37.2	3.26		
15.0	13.52	2915.9	2901.8	2890.1	-4.84	-7.78	-10.66	-36.0	-27.4	-36.7	3.25		
15.5	12.62	2922.2	2908.2	2896.6	-5.17	-8.44	-11.34	-36.8	-26.9	-36.6	3.21		
16.0	11.98	2928.0	2914.1	2902.7	-5.63	-8.98	-11.81	-36.2	-27.4	-35.4	3.25		
16.5	11.32	2933.6	2919.8	2908.4	-6.09	-9.56	-12.45	-35.9	-26.8	-35.0	3.25		
17.0	10.64	2938.8	2925.1	2913.9	-6.55	-10.15	-12.97	-36.0	-25.6	-33.7	3.29		
17.5	10.12	2943.8	2930.2	2919.0	-6.91	-10.69	-13.51	-33.8	-24.8	-32.6	3.31		
18.0	9.56	2948.5	2935.0	2923.8	-7.46	-11.26	-14.04	-32.7	-25.4	-31.9	3.34		
18.5	9.02	2952.9	2939.5	2928.4	-7.89	-11.78	-14.54	-33.0	-24.6	-31.4	3.38		
19.0	8.58	2957.1	2943.8	2932.8	-8.26	-12.15	-15.08	-32.1	-24.8	-30.5	3.42		
19.5	8.16	2961.1	2947.8	2936.9	-8.62	-12.70	-15.49	-31.1	-25.2	-31.3	3.42		
20.0	7.76	2964.9	2951.7	2940.9	-8.81	-13.07	-15.93	-32.2	-26.0	-30.8	3.45		