

Voltage Controlled Oscillator

ROS-EDR8271

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	43.11	2412.7	2409.1	2405.7	6.73	5.44	4.08	-20.7	-28.9	-65.9	1.08	1	-79
0.5	36.89	2433.9	2430.6	2427.3	6.72	5.48	4.23	-22.7	-30.9	-65.3	0.67	10	-106
1.0	35.95	2452.6	2449.1	2445.7	6.65	5.56	4.44	-23.6	-33.8	-64.0	0.53	100	-128
1.5	34.83	2470.8	2467.1	2463.4	6.46	5.53	4.51	-24.8	-36.5	-61.6	0.43	1000	-147
2.0	35.01	2488.6	2484.5	2480.8	6.44	5.61	4.59	-25.3	-41.2	-59.6	0.36		
2.5	34.13	2506.5	2502.0	2497.7	6.39	5.63	4.70	-25.4	-56.2	-56.8	0.28		
3.0	34.53	2524.0	2519.1	2514.7	6.52	5.84	4.92	-26.1	-58.9	-56.0	0.29		
3.5	34.92	2541.4	2536.3	2531.8	6.74	6.07	5.13	-25.7	-53.2	-57.8	0.26		
4.0	35.63	2559.0	2553.8	2548.9	6.96	6.27	5.35	-25.6	-43.7	-57.1	0.23		
4.5	35.62	2577.3	2571.6	2566.3	7.04	6.38	5.54	-25.4	-45.0	-56.1	0.21		
5.0	36.27	2595.2	2589.4	2584.2	7.27	6.63	5.72	-25.5	-45.3	-56.0	0.20		
5.5	36.92	2613.3	2607.5	2602.1	7.51	6.80	5.85	-25.8	-44.4	-54.7	0.14		
6.0	37.13	2632.1	2626.0	2620.4	7.62	6.94	6.03	-25.1	-44.2	-55.4	0.12		
6.5	37.88	2650.8	2644.6	2639.0	7.84	7.13	6.16	-25.7	-46.7	-55.8	0.08		
7.0	38.50	2669.9	2663.5	2657.8	7.97	7.26	6.31	-25.3	-43.9	-55.7	0.04		
7.5	38.49	2689.2	2682.7	2676.9	8.16	7.41	6.46	-26.0	-42.3	-57.1	0.03		
8.0	38.81	2708.7	2702.0	2696.1	8.33	7.59	6.64	-25.7	-42.9	-57.7	0.08		
8.5	39.34	2728.1	2721.4	2715.5	8.46	7.73	6.80	-25.7	-43.0	-59.6	0.12		
9.0	38.82	2747.9	2741.1	2735.1	8.59	7.85	6.90	-25.7	-42.6	-59.9	0.18		
9.5	39.38	2767.3	2760.5	2754.8	8.76	8.00	7.03	-25.9	-42.5	-59.3	0.21		
10.0	40.06	2787.1	2780.2	2774.3	8.81	8.07	7.15	-25.6	-44.5	-60.3	0.27		
10.5	40.20	2807.0	2800.2	2794.4	8.85	8.10	7.22	-26.2	-45.1	-62.5	0.29		
11.0	40.27	2826.9	2820.3	2814.5	8.84	8.08	7.22	-26.3	-47.9	-65.6	0.28		
11.5	40.74	2847.1	2840.4	2834.6	8.71	7.99	7.22	-26.6	-50.2	-66.8	0.23		
12.0	41.15	2867.8	2860.8	2854.7	8.46	7.87	7.20	-27.5	-53.8	-64.1	0.18		
12.5	41.69	2889.0	2881.4	2874.9	8.12	7.70	7.12	-29.2	-59.8	-61.1	0.12		
13.0	41.00	2910.5	2902.2	2895.3	7.80	7.49	7.00	-31.6	-61.2	-57.5	0.08		
13.5	39.63	2931.3	2922.7	2915.6	7.60	7.36	6.90	-34.7	-64.8	-54.0	0.05		
14.0	38.77	2951.7	2942.5	2935.2	7.45	7.28	6.83	-37.2	-66.2	-51.1	0.00		
14.5	36.95	2971.4	2961.9	2954.3	7.38	7.20	6.75	-40.8	-61.5	-47.6	0.06		
15.0	34.59	2990.1	2980.4	2972.8	7.35	7.15	6.71	-36.7	-66.2	-65.6	0.16		
15.5	31.47	3007.4	2997.7	2990.2	7.41	7.17	6.67	-34.2	-60.1	-46.3	0.26		
16.0	28.33	3022.9	3013.4	3006.1	7.47	7.21	6.69	-31.6	-67.1	-51.3	0.38		
16.5	25.46	3037.4	3027.6	3020.4	7.50	7.22	6.74	-29.3	-65.5	-54.5	0.50		
17.0	22.35	3050.1	3040.3	3033.1	7.54	7.24	6.72	-28.9	-66.5	-52.6	0.52		
17.5	18.96	3061.0	3051.5	3044.2	7.53	7.23	6.72	-28.4	-64.5	-55.8	0.46		
18.0	18.96	3070.5	3061.0	3053.8	7.44	7.21	6.74	-27.5	-65.4	-53.9	0.41		