

Voltage Controlled Oscillator

ROS-ED9941/1

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			
0.7	24.96	2307.9	2289.4	2277.5	7.08	6.10	4.27	-25.5	-23.9	-45.5	0.73	1	-75
1.4	20.87	2322.3	2304.0	2292.1	7.28	6.21	4.35	-26.1	-25.7	-44.9	0.68	10	-102
2.1	19.09	2335.6	2317.4	2305.4	7.53	6.40	4.54	-25.4	-24.0	-46.2	0.68	100	-122
2.8	18.69	2348.8	2330.5	2318.3	7.69	6.68	4.88	-25.6	-24.6	-43.8	0.63	1000	-142
3.5	18.39	2362.2	2343.4	2331.1	7.75	6.91	5.20	-25.8	-23.7	-45.0	0.72		
4.2	19.00	2375.5	2356.7	2344.0	7.81	6.99	5.51	-25.5	-23.8	-44.9	0.68		
4.9	19.37	2389.5	2370.2	2357.4	7.84	7.06	5.64	-25.6	-24.5	-45.4	0.70		
5.6	20.31	2403.7	2384.4	2371.4	7.82	7.09	5.76	-25.5	-23.4	-43.6	0.75		
6.3	20.74	2418.4	2399.0	2385.7	7.74	7.13	5.83	-26.0	-24.7	-45.5	0.73		
7.0	21.73	2433.8	2414.2	2400.8	7.58	7.06	5.88	-25.6	-23.5	-45.1	0.75		
7.7	22.54	2450.1	2429.9	2416.4	7.55	6.93	5.82	-26.0	-25.1	-43.7	0.75		
8.4	24.66	2467.2	2447.2	2433.3	7.60	6.82	5.62	-26.0	-24.3	-43.8	0.70		
9.1	25.60	2485.3	2465.1	2451.3	7.69	6.87	5.56	-25.5	-25.1	-44.9	0.82		
9.8	26.84	2504.0	2483.9	2470.0	7.92	6.96	5.64	-25.9	-26.5	-44.0	0.85		
10.5	27.46	2523.4	2503.1	2489.3	8.06	7.19	5.76	-25.2	-24.7	-44.4	1.05		
11.2	27.71	2542.7	2522.5	2508.6	8.04	7.35	5.98	-25.7	-25.8	-43.0	1.15		
11.9	28.14	2562.2	2542.2	2528.2	7.90	7.32	6.12	-25.4	-25.5	-43.4	1.32		
12.6	27.49	2581.6	2561.5	2547.6	7.73	7.20	6.01	-25.2	-24.5	-43.5	1.48		
13.3	27.09	2600.1	2580.4	2566.4	7.54	7.05	5.89	-26.0	-25.8	-43.3	1.53		
14.0	25.63	2617.9	2598.4	2584.6	7.37	6.86	5.74	-25.4	-25.9	-43.3	1.55		
14.7	24.00	2635.0	2615.2	2601.5	7.36	6.74	5.60	-25.8	-26.4	-43.4	1.62		
15.4	23.66	2652.0	2631.7	2617.8	7.52	6.70	5.46	-26.0	-25.9	-44.3	1.60		
16.1	23.24	2667.8	2648.0	2633.4	7.68	6.85	5.43	-25.8	-27.0	-43.4	1.57		
16.8	21.67	2682.7	2663.2	2649.0	7.75	7.01	5.55	-26.0	-27.3	-44.5	1.50		
17.5	20.37	2697.0	2677.4	2663.4	7.79	7.06	5.75	-26.1	-27.5	-43.8	1.50		
18.2	19.53	2710.9	2691.1	2677.1	7.77	7.13	5.81	-26.0	-27.1	-44.6	1.50		
18.9	18.61	2724.7	2704.1	2690.1	7.71	7.16	5.89	-26.3	-27.9	-45.9	1.45		
19.6	18.57	2737.3	2717.1	2702.6	7.66	7.11	5.92	-26.8	-28.0	-45.8	1.52		
20.3	18.19	2749.5	2729.9	2714.7	7.49	7.06	5.86	-26.5	-29.0	-45.7	1.40		
21.0	16.67	2761.3	2741.5	2726.9	7.34	6.97	5.76	-26.8	-27.9	-46.9	1.38		
21.7	16.04	2772.6	2752.8	2738.3	7.15	6.80	5.67	-27.2	-28.3	-46.8	1.40		
22.4	15.19	2783.6	2763.4	2748.9	7.04	6.64	5.55	-27.6	-29.6	-47.6	1.40		
23.1	14.96	2794.3	2773.9	2759.3	7.01	6.51	5.39	-27.1	-28.7	-46.5	1.33		
23.8	14.67	2804.4	2784.1	2769.3	7.06	6.39	5.21	-27.2	-29.4	-49.8	1.38		
24.5	14.14	2814.0	2794.0	2779.0	7.15	6.35	5.02	-27.7	-29.2	-49.6	1.38		
25.2	13.26	2823.0	2803.3	2788.5	7.24	6.39	4.92	-27.9	-28.5	-49.5	1.47		
25.9	12.34	2831.6	2812.0	2797.3	7.21	6.44	4.88	-28.1	-28.5	-50.1	1.40		
26.6	11.71	2839.9	2820.2	2805.7	7.23	6.51	4.91	-27.8	-29.4	-50.1	1.47		
27.3	11.01	2848.1	2827.9	2813.5	7.18	6.55	4.94	-27.6	-29.4	-49.1	1.52		
28.0	10.51	2856.1	2835.2	2820.8	7.13	6.52	4.92	-27.7	-29.2	-50.4	1.65		