

Voltage Controlled Oscillator

JTOS-EDR5923

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	45.99	1925.0	1904.1	1889.5	9.86	9.49	9.14	-29.5	-27.3	-35.5	1.17	1	-69
1.0	37.98	1943.2	1923.1	1909.1	9.74	9.38	9.08	-30.7	-27.1	-34.6	1.12	10	-95
1.5	35.31	1961.1	1940.8	1926.9	9.52	9.28	9.01	-32.4	-26.4	-36.1	1.21	100	-115
2.0	33.87	1977.6	1957.7	1943.4	9.46	9.19	8.96	-34.2	-26.2	-37.9	1.13	1000	-139
2.5	32.81	1993.6	1974.1	1960.1	9.34	9.10	8.85	-35.2	-24.9	-38.2	1.11		
3.0	31.99	2009.8	1990.1	1976.5	9.22	9.03	8.80	-37.1	-25.0	-40.6	1.13		
3.5	31.95	2025.6	2006.1	1992.5	9.13	8.96	8.74	-39.0	-24.7	-43.1	1.05		
4.0	31.96	2041.8	2022.1	2008.6	8.99	8.88	8.68	-41.3	-25.0	-46.0	1.03		
4.5	32.90	2059.1	2038.5	2025.0	8.88	8.80	8.61	-44.8	-25.1	-48.6	1.06		
5.0	34.75	2076.1	2055.9	2041.7	8.88	8.72	8.54	-47.1	-25.6	-47.8	0.98		
5.5	35.60	2093.4	2073.7	2059.9	8.78	8.67	8.43	-49.0	-26.4	-47.8	0.94		
6.0	35.98	2111.9	2091.7	2078.5	8.68	8.60	8.38	-52.4	-27.1	-47.2	0.93		
6.5	38.16	2131.3	2110.8	2097.6	8.58	8.51	8.28	-55.5	-27.5	-45.6	0.90		
7.0	41.44	2152.3	2131.5	2118.0	8.46	8.42	8.18	-54.7	-27.8	-46.5	0.93		
7.5	43.00	2173.1	2153.0	2139.2	8.38	8.28	8.07	-53.0	-29.1	-48.8	0.81		
8.0	43.87	2195.9	2174.9	2162.2	8.16	8.19	7.95	-49.3	-29.6	-50.1	0.78		
8.5	47.09	2220.2	2198.5	2185.4	8.07	7.99	7.84	-47.9	-30.9	-53.0	0.78		
9.0	50.37	2245.0	2223.7	2210.3	7.95	7.87	7.68	-46.3	-33.1	-59.9	0.80		
9.5	50.58	2270.0	2249.0	2236.1	7.83	7.77	7.56	-43.2	-34.5	-65.9	0.66		
10.0	52.07	2296.9	2275.0	2262.6	7.67	7.64	7.45	-42.8	-38.2	-70.2	0.64		
10.5	55.13	2324.5	2302.6	2289.3	7.58	7.50	7.29	-39.9	-43.3	-67.8	0.64		
11.5	56.30	2381.1	2358.6	2345.9	7.31	7.26	7.06	-36.2	-47.7	-67.8	0.60		
12.0	58.08	2410.9	2387.6	2373.8	7.21	7.12	6.98	-34.8	-40.7	-65.0	0.66		
13.0	57.12	2468.9	2445.4	2431.3	7.03	6.96	6.81	-31.6	-34.2	-59.9	0.76		
13.5	53.07	2494.6	2471.9	2457.9	6.91	6.83	6.75	-31.4	-33.8	-55.5	0.69		
14.5	49.96	2545.1	2522.2	2508.2	7.16	6.76	6.52	-29.5	-31.2	-51.8	0.72		
15.0	49.68	2570.2	2547.0	2532.7	7.12	6.87	6.64	-30.0	-31.1	-51.2	0.74		
16.0	50.76	2621.1	2596.8	2581.3	7.28	6.92	6.78	-29.2	-31.9	-48.1	0.74		
16.5	47.37	2643.8	2620.5	2605.2	7.36	7.00	6.90	-28.4	-33.2	-46.2	0.69		
17.5	41.33	2686.7	2663.0	2647.8	7.40	7.15	7.07	-27.0	-36.6	-44.3	0.69		
18.0	39.97	2706.1	2683.0	2667.3	7.41	7.13	7.05	-26.0	-39.2	-43.1	0.70		
19.0	33.92	2740.9	2718.3	2703.0	7.45	7.23	7.13	-25.2	-45.2	-42.3	0.65		
19.5	31.19	2756.1	2733.9	2718.5	7.46	7.19	7.14	-24.8	-44.5	-41.7	0.67		
20.5	25.40	2782.9	2760.6	2745.2	7.41	7.25	7.16	-22.9	-41.9	-40.3	0.60		
21.0	23.19	2794.8	2772.2	2756.7	7.40	7.23	7.16	-23.0	-41.2	-40.0	0.62		
22.0	18.78	2815.0	2792.0	2776.7	7.28	7.21	7.13	-23.1	-40.1	-40.7	0.70		
22.5	17.13	2823.6	2800.5	2785.2	7.28	7.21	7.15	-22.5	-39.4	-40.7	0.76		
23.5	14.00	2838.0	2815.3	2799.4	7.27	7.13	7.10	-21.9	-39.1	-40.5	0.83		
24.0	12.67	2844.0	2821.6	2805.5	7.31	7.12	7.08	-21.7	-39.2	-40.4	0.87		