

Voltage Controlled Oscillator

JTOS-ED9565/1

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			
0.5	67.22	1906.5	1869.7	1842.7	9.40	8.16	6.76	-15.8	-27.9	-38.8	2.58	1	-65
1.0	56.89	1936.0	1898.1	1875.4	9.45	8.06	7.09	-17.1	-28.3	-39.5	2.42	10	-92
1.5	61.80	1963.3	1929.0	1904.9	9.53	8.07	7.04	-18.2	-28.8	-39.4	2.75	100	-112
2.0	60.24	1992.0	1959.1	1937.4	9.30	8.26	7.13	-19.4	-29.5	-40.6	2.38	1000	-132
2.5	65.63	2026.6	1992.0	1969.7	9.46	8.25	7.27	-21.5	-30.4	-37.2	2.41		
3.0	77.64	2063.5	2030.8	2007.1	9.50	8.45	7.27	-23.8	-32.8	-37.9	2.50		
3.5	85.04	2108.4	2073.3	2050.1	9.46	8.62	7.59	-26.8	-33.0	-36.5	2.75		
4.0	105.06	2160.6	2125.8	2100.5	9.37	8.62	7.64	-30.1	-34.4	-37.8	2.96		
4.5	120.44	2221.0	2186.1	2160.6	9.39	8.54	7.78	-36.0	-34.7	-39.8	2.86		
5.0	134.08	2285.4	2253.1	2229.3	9.43	9.06	8.28	-39.0	-34.6	-42.1	1.65		
5.5	134.10	2350.4	2320.1	2298.7	9.50	9.43	8.46	-31.5	-34.7	-43.1	0.24		
6.0	127.92	2412.4	2384.1	2365.1	9.67	9.39	8.54	-28.1	-38.4	-44.7	0.99		
6.5	134.26	2477.0	2451.2	2433.6	9.53	9.11	8.25	-26.2	-46.2	-47.4	1.71		
7.0	125.06	2538.4	2513.8	2495.9	9.68	9.03	8.20	-25.8	-48.1	-47.4	1.72		
7.5	108.84	2593.8	2568.2	2549.7	9.35	9.11	8.49	-25.3	-44.0	-48.9	1.36		
8.0	96.58	2642.1	2616.5	2598.0	9.45	8.95	8.03	-25.2	-44.2	-48.9	0.90		
8.5	83.86	2684.5	2658.4	2639.4	9.24	9.07	8.44	-25.0	-41.2	-48.0	0.50		
9.0	75.34	2722.1	2696.1	2676.7	9.59	8.99	8.35	-25.0	-39.6	-47.7	0.20		
9.5	67.58	2755.7	2729.9	2710.2	9.60	9.18	8.55	-25.1	-48.2	-49.3	0.07		
10.0	60.40	2785.9	2760.1	2740.5	9.55	9.17	8.66	-25.3	-39.6	-48.8	0.26		
10.5	55.00	2813.6	2787.6	2767.8	9.57	9.13	8.62	-25.3	-37.9	-48.2	0.46		
11.0	50.50	2838.2	2812.8	2793.0	9.16	9.13	8.62	-25.7	-39.8	-47.9	0.55		
11.5	45.10	2860.0	2835.4	2816.2	9.15	8.86	8.50	-25.6	-40.1	-47.8	0.66		
12.0	41.14	2879.3	2855.9	2837.2	9.05	8.59	7.98	-26.3	-38.5	-48.2	0.74		
12.5	41.16	2899.2	2876.5	2857.2	8.84	8.45	7.98	-27.4	-40.6	-47.2	0.91		
13.0	46.54	2925.7	2899.8	2878.3	8.82	8.54	7.94	-27.3	-41.5	-47.8	0.99		
13.5	41.68	2946.9	2920.6	2899.1	8.89	8.63	8.06	-27.9	-41.9	-47.5	0.96		
14.0	37.40	2964.9	2939.3	2918.1	8.91	8.58	8.04	-26.7	-42.0	-47.8	0.92		
14.5	33.80	2982.1	2956.2	2935.4	8.87	8.55	8.01	-27.6	-45.1	-47.8	0.95		
15.0	31.94	2998.3	2972.2	2951.5	8.69	8.52	7.98	-27.4	-47.6	-47.4	1.02		
15.5	30.82	3014.0	2987.6	2966.7	8.60	8.50	7.97	-27.4	-43.2	-48.1	1.02		
16.0	29.24	3029.0	3002.2	2981.3	8.47	8.26	7.90	-29.1	-44.1	-48.0	1.05		
16.5	28.52	3042.9	3016.5	2995.4	8.45	8.17	7.83	-27.8	-43.6	-47.3	1.08		
17.0	27.14	3056.5	3030.1	3008.9	8.44	8.06	7.67	-28.2	-43.1	-46.8	1.10		
17.5	25.40	3069.6	3042.8	3021.8	8.38	8.04	7.49	-29.3	-43.2	-45.8	1.06		
18.0	24.60	3082.1	3055.1	3034.2	8.30	8.01	7.41	-29.0	-40.9	-45.9	1.10		
18.5	23.86	3094.6	3067.0	3046.0	8.16	8.00	7.39	-28.8	-42.0	-46.7	1.10		
19.0	22.80	3106.3	3078.4	3057.1	7.99	7.86	7.38	-29.4	-42.0	-46.8	1.06		
19.5	21.64	3117.6	3089.2	3067.7	7.91	7.74	7.23	-30.6	-41.5	-46.1	1.05		
20.0	20.88	3128.2	3099.6	3077.8	7.78	7.57	7.19	-30.3	-41.2	-45.9	1.02		