

Voltage Controlled Oscillator

ROS-ED10234/1

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			
0.6	97.65	1626.2	1610.4	1596.1	9.56	8.70	7.82	-12.3	-21.2	-38.0	1.26	1	-68
1.3	85.52	1679.8	1664.3	1650.5	8.98	8.24	7.49	-14.5	-22.6	-40.1	1.23	10	-93
1.9	79.83	1730.6	1714.6	1701.4	8.67	8.17	7.43	-16.3	-24.2	-43.2	1.14	100	-115
2.5	85.36	1784.9	1768.3	1754.9	8.64	8.00	7.17	-17.7	-26.1	-46.6	1.12	1000	-134
3.2	90.19	1843.9	1825.2	1810.5	8.33	7.90	7.13	-19.6	-26.8	-47.3	1.14		
3.8	96.76	1905.5	1886.1	1870.7	8.14	7.77	6.88	-20.7	-27.6	-47.4	1.08		
4.4	99.97	1969.5	1949.1	1932.6	8.21	7.69	6.66	-19.7	-28.7	-47.1	0.92		
5.0	100.39	2032.2	2012.4	1996.4	8.45	7.86	6.71	-18.8	-29.5	-47.7	0.63		
5.7	100.37	2094.4	2075.6	2060.1	8.68	8.03	6.78	-18.0	-30.7	-47.5	0.35		
6.3	95.78	2154.7	2135.9	2120.5	8.67	8.08	6.82	-16.6	-32.3	-47.7	0.08		
6.9	92.83	2212.0	2194.4	2179.6	8.91	8.07	6.64	-15.7	-34.2	-45.9	0.02		
7.6	87.87	2267.5	2249.8	2234.5	9.10	8.28	6.91	-15.7	-35.3	-46.2	0.08		
8.2	83.40	2319.3	2302.3	2287.2	9.11	8.40	7.07	-15.8	-36.5	-46.4	0.06		
8.8	79.75	2369.8	2352.5	2336.6	8.67	8.08	6.99	-18.7	-39.6	-43.9	0.03		
9.5	74.90	2416.5	2399.7	2384.1	8.96	8.36	7.11	-17.0	-41.2	-44.8	0.00		
10.1	71.60	2462.2	2444.8	2428.4	8.90	8.28	7.13	-17.8	-42.9	-44.5	0.00		
10.7	68.76	2505.2	2488.2	2471.7	8.88	8.39	7.29	-18.8	-44.0	-43.1	0.03		
11.3	64.76	2547.0	2529.0	2512.1	8.71	8.32	7.37	-19.5	-44.9	-44.8	0.00		
12.0	63.83	2587.3	2569.2	2551.7	8.55	8.30	7.33	-20.1	-45.5	-44.1	0.03		
12.6	60.43	2625.9	2607.2	2589.3	8.32	8.15	7.37	-20.5	-45.6	-42.8	0.07		
13.2	59.83	2664.6	2644.9	2625.5	8.24	8.28	7.43	-20.5	-47.5	-42.5	0.24		
13.9	56.03	2701.3	2680.2	2660.8	8.55	8.67	7.88	-20.3	-47.6	-42.0	0.40		
14.5	47.95	2732.4	2710.4	2691.5	9.46	9.28	8.38	-20.6	-47.9	-45.0	0.30		
15.1	43.86	2758.9	2738.1	2720.3	9.94	9.80	8.64	-21.2	-47.7	-42.3	0.14		
15.8	42.11	2783.8	2764.6	2747.7	10.14	9.82	8.88	-21.9	-48.9	-43.3	0.07		
16.4	40.05	2808.9	2789.8	2773.5	10.18	9.78	8.77	-22.5	-48.6	-43.2	0.03		
17.0	38.54	2833.1	2814.1	2797.7	9.86	9.71	8.77	-23.3	-49.0	-44.6	0.11		
17.6	37.81	2857.8	2837.9	2820.9	9.47	9.25	8.54	-24.2	-48.6	-45.9	0.18		
18.3	36.98	2881.3	2861.2	2843.7	9.36	8.97	8.04	-25.0	-48.4	-47.3	0.14		
18.9	34.24	2903.3	2882.8	2865.6	9.29	8.95	7.81	-25.7	-47.4	-47.1	0.15		
19.5	32.14	2924.2	2903.1	2886.2	9.08	8.91	7.77	-26.4	-47.6	-46.1	0.15		
20.2	30.48	2944.1	2922.3	2905.4	8.90	8.76	7.74	-26.7	-47.5	-47.8	0.11		
20.8	28.98	2962.9	2940.5	2923.7	8.82	8.57	7.60	-27.3	-47.6	-47.4	0.11		
21.4	27.37	2980.4	2957.8	2940.4	8.71	8.44	7.49	-27.6	-47.0	-47.7	0.14		
22.1	25.54	2996.5	2973.8	2956.3	8.58	8.39	7.39	-28.3	-47.5	-47.4	0.19		
22.7	23.35	3011.1	2988.6	2970.8	8.39	8.30	7.37	-28.5	-47.1	-47.9	0.19		
23.3	21.13	3024.8	3001.9	2984.0	8.16	8.05	7.32	-29.5	-47.0	-47.3	0.26		
23.9	19.35	3037.9	3014.1	2995.8	8.01	7.93	7.18	-29.7	-46.9	-46.3	0.26		
24.6	17.67	3049.7	3025.2	3006.6	7.95	7.73	7.00	-30.5	-46.5	-47.5	0.22		
25.2	16.30	3060.6	3035.5	3016.2	7.91	7.57	6.77	-30.7	-45.6	-47.1	0.23		