

Voltage Controlled Oscillator

ROS-ED9787A/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			
0.2	9.80	815.3	813.0	811.3	-0.99	-0.17	0.14	-18.6	-33.1	-41.5	0.20	1	-92
0.4	9.35	817.1	814.9	813.2	-0.98	-0.15	0.18	-18.8	-32.9	-41.2	0.22	10	-117
0.6	9.09	818.9	816.7	815.0	-0.95	-0.14	0.19	-19.0	-32.5	-41.1	0.24	100	-137
0.8	9.10	820.8	818.5	816.8	-0.93	-0.11	0.21	-19.2	-32.4	-40.7	0.24	1000	-154
1.0	9.25	822.6	820.4	818.7	-0.89	-0.09	0.24	-19.4	-32.2	-42.1	0.26		
1.2	9.51	824.6	822.3	820.5	-0.88	-0.08	0.25	-19.5	-32.3	-42.0	0.28		
1.4	9.84	826.6	824.2	822.5	-0.86	-0.04	0.27	-19.7	-31.9	-41.8	0.28		
1.6	10.30	828.7	826.3	824.5	-0.82	-0.02	0.30	-20.0	-31.2	-41.6	0.26		
1.8	10.71	830.9	828.5	826.6	-0.79	0.02	0.33	-20.1	-31.7	-41.2	0.26		
2.0	11.13	833.2	830.7	828.8	-0.73	0.05	0.37	-20.5	-31.2	-41.7	0.22		
2.2	11.56	835.5	833.0	831.1	-0.68	0.11	0.39	-20.7	-31.2	-42.0	0.20		
2.4	11.76	837.9	835.3	833.4	-0.61	0.15	0.45	-21.0	-30.9	-42.3	0.15		
2.6	11.93	840.3	837.7	835.7	-0.55	0.22	0.50	-21.2	-30.9	-42.5	0.10		
2.8	12.02	842.8	840.1	838.1	-0.47	0.28	0.57	-21.5	-30.5	-42.7	0.02		
3.0	11.88	845.2	842.5	840.5	-0.40	0.35	0.62	-21.9	-30.4	-42.7	0.04		
3.2	11.71	847.5	844.8	842.8	-0.32	0.42	0.69	-22.2	-30.0	-42.3	0.11		
3.4	11.35	849.8	847.1	845.1	-0.24	0.50	0.76	-22.6	-30.1	-43.0	0.18		
3.6	11.05	852.0	849.3	847.3	-0.16	0.58	0.83	-23.0	-29.6	-42.9	0.24		
3.8	10.47	854.1	851.4	849.4	-0.08	0.65	0.90	-23.2	-29.9	-42.5	0.29		
4.0	9.83	856.0	853.4	851.4	-0.01	0.72	0.97	-23.3	-29.7	-42.1	0.36		
4.2	9.22	857.8	855.2	853.3	0.05	0.78	1.03	-23.7	-29.6	-42.3	0.40		
4.4	8.55	859.5	856.9	855.0	0.11	0.84	1.09	-23.9	-29.4	-42.3	0.44		
4.6	7.73	861.0	858.5	856.6	0.17	0.89	1.14	-24.1	-29.1	-41.4	0.44		
4.8	7.07	862.4	859.9	858.0	0.21	0.94	1.18	-24.5	-29.1	-42.5	0.42		
5.0	6.34	863.7	861.2	859.3	0.24	0.98	1.22	-24.5	-28.8	-42.3	0.40		
5.2	5.63	864.8	862.3	860.5	0.27	1.01	1.25	-24.8	-28.9	-42.7	0.35		
5.4	4.96	865.7	863.3	861.5	0.28	1.02	1.27	-25.1	-28.9	-42.1	0.31		
5.6	4.31	866.6	864.2	862.4	0.30	1.04	1.29	-25.1	-28.7	-42.9	0.24		
5.8	3.80	867.3	864.9	863.1	0.31	1.05	1.29	-25.3	-28.7	-41.7	0.17		
6.0	3.20	867.9	865.6	863.8	0.30	1.05	1.30	-25.5	-28.4	-42.7	0.11		
6.2	2.83	868.5	866.1	864.3	0.30	1.05	1.31	-25.6	-28.8	-42.7	0.02		
6.4	2.37	868.9	866.6	864.8	0.30	1.05	1.31	-25.8	-28.7	-42.9	0.04		
6.6	2.04	869.3	867.0	865.2	0.30	1.05	1.31	-25.8	-28.6	-43.1	0.13		
6.8	1.71	869.6	867.3	865.6	0.30	1.05	1.31	-26.0	-28.6	-43.0	0.18		
7.0	1.55	869.9	867.6	865.9	0.29	1.04	1.31	-25.9	-28.8	-43.4	0.22		
7.2	1.32	870.2	867.9	866.2	0.29	1.04	1.31	-26.1	-28.8	-43.2	0.26		
7.4	1.16	870.4	868.1	866.4	0.29	1.04	1.31	-26.2	-28.7	-43.0	0.29		
7.6	0.99	870.6	868.3	866.6	0.28	1.03	1.31	-26.2	-28.8	-42.7	0.31		
7.8	0.94	870.7	868.5	866.8	0.28	1.04	1.31	-26.2	-28.7	-43.2	0.33		
8.0	0.86	870.9	868.7	867.0	0.28	1.03	1.31	-26.3	-28.7	-43.8	0.35		