Voltage Controlled Oscillator ROS-ED9886/2

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55ºC	+25ºC	+85ºC	-55ºC	+25ºC	+85ºC	F2	F3	F4	
0.3	6.85	975.7	973.7	970.9	5.90	5.27	3.55	-30.3	-43.6	-42.0	0.31
0.5	6.64	977.4	975.3	972.6	5.91	5.27	3.55	-30.1	-43.9	-41.6	0.31
0.8	6.89	979.2	977.1	974.3	5.92	5.27	3.56	-30.2	-43.9	-41.2	0.31
1.0	7.35	981.1	978.9	976.1	5.94	5.28	3.56	-30.2	-44.0	-41.0	0.29
1.3	7.94	983.1	980.9	978.0	5.97	5.29	3.57	-30.0	-43.9	-40.3	0.29
1.5	8.69	985.3	983.0	980.1	5.98	5.30	3.57	-29.8	-43.9	-40.3	0.29
1.8	9.36	987.7	985.4	982.4	6.01	5.31	3.58	-29.7	-43.9	-39.6	0.31
2.0	9.98	990.1	987.9	984.9	6.03	5.32	3.59	-29.8	-42.8	-39.9	0.36
2.3	10.43	992.7	990.5	987.6	6.05	5.31	3.59	-29.7	-43.3	-39.5	0.43
2.5	10.74	995.3	993.2	990.3	6.06	5.28	3.59	-29.8	-44.7	-38.8	0.50
2.8	10.79	997.9	995.9	993.1	6.08	5.31	3.59	-29.6	-44.9	-39.2	0.58
3.0	10.62	1000.4	998.5	995.8	6.07	5.30	3.57	-29.6	-44.7	-38.5	0.69
3.3	10.18	1002.8	1001.1	998.5	6.08	5.27	3.56	-29.8	-46.5	-38.0	0.76
3.5	9.52	1005.1	1003.5	1001.0	6.06	5.26	3.53	-29.6	-47.0	-37.7	0.83
3.8	8.83	1007.2	1005.7	1003.2	6.04	5.23	3.52	-29.6	-48.2	-37.4	0.87
4.0	7.89	1009.1	1007.6	1005.3	6.05	5.22	3.48	-29.9	-49.1	-37.1	0.90
4.3	6.96	1010.8	1009.4	1007.0	6.08	5.19	3.45	-29.5	-50.6	-36.9	0.92
4.5	5.94	1012.3	1010.9	1008.5	6.05	5.16	3.44	-29.6	-50.7	-36.7	0.86
4.8	5.03	1013.6	1012.1	1009.7	6.09	5.14	3.42	-29.7	-50.8	-36.9	0.81
5.0	4.14	1014.7	1013.1	1010.7	6.11	5.15	3.40	-29.7	-51.2	-37.0	0.73
5.3	3.31	1015.6	1014.0	1011.4	6.07	5.14	3.38	-29.6	-49.2	-36.6	0.65
5.5	2.62	1016.3	1014.6	1012.0	6.07	5.13	3.37	-29.7	-48.3	-36.7	0.57
5.8	1.99	1016.9	1015.1	1012.4	6.09	5.12	3.35	-29.7	-48.2	-36.7	0.50
6.0	1.61	1017.4	1015.5	1012.8	6.12	5.12	3.38	-29.7	-47.4	-36.9	0.44
6.3	1.19	1017.7	1015.8	1013.0	6.18	5.11	3.37	-29.6	-46.9	-36.8	0.40
6.5	1.00	1018.0	1016.1	1013.3	6.21	5.11	3.37	-29.6	-46.7	-36.4	0.37
6.8	0.79	1018.2	1016.3	1013.5	6.24	5.11	3.36	-29.6	-46.7	-36.7	0.34
7.0	0.68	1018.4	1016.4	1013.6	6.23	5.10	3.36	-29.5	-46.2	-36.7	0.32
7.3	0.57	1018.5	1016.6	1013.8	6.11	5.10	3.35	-29.5	-46.4	-36.7	0.29
7.5	0.52	1018.7	1016.7	1013.9	6.24	5.10	3.35	-29.6	-46.6	-36.6	0.29
7.8	0.43	1018.8	1016.8	1014.0	6.23	5.10	3.35	-29.5	-45.6	-36.9	0.29
8.0	0.42	1018.9	1016.9	1014.1	6.25	5.10	3.34	-29.6	-45.8	-36.8	0.31
8.3	0.37	1019.0	1017.0	1014.2	6.26	5.10	3.34	-29.6	-45.8	-36.7	0.29
8.5	0.36	1019.1	1017.1	1014.3	6.27	5.09	3.34	-29.6	-46.3	-36.8	0.29
8.8	0.32	1019.2	1017.2	1014.4	6.26	5.09	3.34	-29.4	-45.8	-36.5	0.29
9.0	0.33	1019.2	1017.3	1014.4	6.25	5.09	3.33	-29.6	-46.5	-36.6	0.28
9.3	0.30	1019.3	1017.3	1014.5	6.26	5.09	3.33	-29.7	-45.7	-36.6	0.26
9.5	0.27	1019.4	1017.4	1014.6	6.25	5.09	3.33	-29.5	-46.7	-36.7	0.28
9.8	0.25	1019.4	1017.5	1014.7	6.25	5.09	3.33	-29.6	-46.2	-36.5	0.26
10.0	0.22	1019.5	1017.5	1014.7	6.25	5.11	3.33	-29.7	-45.7	-36.5	0.29

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-91
10	-115
100	-135
1000	-150