

Voltage Controlled Oscillator

ROS-ED9766/1

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			
0.1	36.65	824.5	820.5	817.8	2.77	3.36	3.54	-34.0	-42.6	-47.8	0.02	1	-83
0.3	35.83	828.9	825.0	822.2	2.83	3.41	3.55	-34.7	-42.7	-47.2	0.04	10	-108
0.4	35.13	833.3	829.4	826.6	2.89	3.48	3.62	-35.2	-42.8	-47.6	0.04	100	-128
0.5	34.14	837.6	833.7	830.8	2.98	3.56	3.69	-35.7	-41.7	-47.8	0.06	1000	-148
0.6	34.23	842.0	837.9	835.0	3.03	3.66	3.78	-35.6	-42.0	-47.3	0.08		
0.8	34.27	846.3	842.2	839.2	3.17	3.71	3.89	-35.6	-41.6	-47.2	0.09		
0.9	34.39	850.7	846.5	843.4	3.30	3.86	4.02	-35.8	-41.7	-47.8	0.09		
1.0	34.59	855.1	850.8	847.6	3.46	4.00	4.15	-35.7	-41.2	-47.3	0.06		
1.1	34.90	859.5	855.2	851.9	3.64	4.16	4.26	-35.1	-40.2	-47.1	0.04		
1.3	35.10	864.0	859.6	856.2	3.79	4.34	4.42	-34.6	-40.4	-47.7	0.02		
1.4	35.52	868.5	864.0	860.6	3.96	4.50	4.61	-34.1	-40.3	-47.0	0.02		
1.5	35.87	873.1	868.5	865.0	4.09	4.67	4.77	-33.7	-39.3	-47.0	0.02		
1.6	36.31	877.7	873.1	869.4	4.21	4.81	4.94	-32.8	-39.5	-46.0	0.09		
1.8	36.36	882.3	877.6	873.9	4.31	4.92	5.08	-32.3	-39.1	-46.8	0.15		
1.9	36.67	886.9	882.2	878.4	4.38	5.03	5.19	-31.7	-39.1	-45.7	0.22		
2.0	36.84	891.6	886.8	883.0	4.41	5.10	5.29	-31.3	-38.0	-45.1	0.33		
2.1	36.93	896.2	891.4	887.5	4.42	5.14	5.34	-30.7	-37.6	-43.6	0.42		
2.3	36.83	900.8	896.0	892.1	4.42	5.15	5.40	-30.3	-37.5	-42.8	0.57		
2.4	36.72	905.4	900.6	896.7	4.41	5.15	5.41	-29.9	-37.0	-42.2	0.68		
2.5	36.57	910.0	905.2	901.2	4.41	5.14	5.41	-29.7	-36.9	-40.6	0.81		
2.6	36.11	914.5	909.7	905.7	4.44	5.14	5.41	-29.5	-36.1	-40.5	0.95		
2.8	35.78	918.9	914.2	910.2	4.46	5.18	5.40	-29.3	-35.7	-39.2	1.09		
2.9	35.60	923.4	918.6	914.6	4.53	5.20	5.44	-29.1	-35.4	-38.5	1.27		
3.0	34.90	927.7	923.0	919.0	4.58	5.26	5.46	-29.2	-34.8	-37.7	1.40		
3.1	34.44	932.0	927.3	923.3	4.69	5.37	5.52	-29.1	-34.5	-37.1	1.52		
3.3	33.84	936.2	931.5	927.6	4.74	5.42	5.56	-29.3	-33.9	-37.0	1.67		
3.4	33.45	940.4	935.7	931.7	4.78	5.47	5.66	-29.4	-33.6	-37.3	1.81		
3.5	32.98	944.5	939.8	935.8	4.81	5.51	5.70	-29.6	-33.4	-37.2	1.90		
3.6	32.46	948.6	943.9	939.8	4.82	5.53	5.73	-29.8	-32.8	-37.5	2.00		
3.8	32.10	952.7	947.9	943.8	4.80	5.53	5.74	-30.0	-32.3	-37.3	2.10		
3.9	31.71	956.7	951.8	947.7	4.78	5.53	5.73	-30.2	-32.0	-38.0	2.14		
4.0	31.42	960.7	955.8	951.6	4.72	5.48	5.71	-30.4	-31.7	-39.2	2.23		
4.1	31.33	964.7	959.7	955.5	4.69	5.44	5.66	-30.2	-31.8	-40.0	2.30		
4.3	31.42	968.6	963.6	959.4	4.67	5.42	5.61	-30.3	-31.8	-39.9	2.42		
4.4	30.94	972.4	967.5	963.3	4.66	5.40	5.61	-30.2	-31.7	-39.6	2.49		
4.5	30.38	976.1	971.3	967.1	4.72	5.40	5.60	-29.9	-31.9	-38.3	2.58		
4.6	29.61	979.7	975.0	970.8	4.81	5.46	5.62	-29.6	-32.0	-37.8	2.63		
4.8	28.65	983.2	978.6	974.5	4.92	5.56	5.70	-29.4	-32.2	-36.9	2.70		
4.9	27.63	986.6	982.0	978.0	5.01	5.63	5.80	-29.2	-32.0	-36.3	2.75		
5.0	26.94	989.8	985.4	981.4	5.15	5.76	5.89	-29.0	-32.1	-36.1	2.82		
5.1	25.88	993.0	988.6	984.7	5.31	5.91	6.02	-28.9	-32.7	-36.0	2.84		
5.3	25.29	996.1	991.8	987.9	5.41	6.01	6.17	-28.7	-32.7	-36.1	2.89		
5.4	24.30	999.0	994.8	990.9	5.58	6.18	6.28	-28.7	-33.0	-36.2	2.96		
5.5	23.80	1002.0	997.8	993.9	5.68	6.36	6.45	-28.5	-33.1	-36.0	3.00		
5.6	22.80	1004.8	1000.6	996.8	5.83	6.46	6.56	-28.6	-32.8	-36.2	3.03		
5.8	22.26	1007.5	1003.4	999.6	5.98	6.63	6.74	-28.4	-33.1	-36.7	3.07		
5.9	21.62	1010.2	1006.1	1002.3	6.05	6.72	6.83	-28.6	-33.4	-36.2	3.10		
6.0	20.96	1012.8	1008.7	1004.9	6.20	6.87	6.99	-28.7	-33.3	-36.0	3.13		