Voltage Controlled Oscillator ROS-ED10337/1

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	
0.1	48.32	885.1	882.8	879.1	10.54	9.83	8.40	-9.9	-27.8	-45.0	0.79
0.3	47.76	891.2	888.7	885.0	10.29	9.69	8.26	-9.9	-28.5	-46.0	0.72
0.4	46.48	897.1	894.5	890.8	10.02	9.53	8.03	-10.1	-29.4	-45.9	0.61
0.5	44.64	902.9	900.1	896.3	9.71	9.37	7.78	-10.1	-30.4	-45.8	0.52
0.6	44.00	908.6	905.6	901.7	9.47	9.23	7.54	-10.2	-31.4	-46.1	0.44
0.8	44.00	914.4	911.1	907.1	9.22	9.10	7.33	-10.3	-32.6	-46.2	0.37
0.9	44.40	920.2	916.7	912.4	9.08	8.95	7.17	-10.3	-34.0	-46.1	0.30
1.0	44.88	926.1	922.3	917.8	8.94	8.89	7.01	-10.4	-35.6	-45.5	0.23
1.1	45.92	932.1	928.0	923.3	8.81	8.81	6.93	-10.3	-37.9	-45.6	0.17
1.3	47.12	938.3	933.9	928.9	8.72	8.77	6.88	-10.3	-41.0	-45.0	0.07
1.4	48.72	944.8	940.0	934.7	8.61	8.70	6.90	-10.2	-43.4	-44.1	0.02
1.5	50.48	951.4	946.3	940.7	8.49	8.64	6.90	-10.1	-45.8	-43.5	0.09
1.6	52.40	958.3	952.9	947.0	8.40	8.58	6.93	-9.9	-44.7	-42.7	0.16
1.8	54.56	965.5	959.7	953.5	8.28	8.51	7.01	-9.7	-41.9	-42.2	0.21
1.9	57.04	972.9	966.8	960.2	8.27	8.41	7.08	-9.6	-39.8	-41.8	0.22
2.0	58.72	980.5	974.2	967.4	8.23	8.44	7.09	-9.5	-38.3	-40.4	0.19
2.1	60.32	988.3	981.7	974.8	8.25	8.43	7.25	-9.4	-36.9	-39.4	0.08
2.3	61.76	996.3	989.4	982.5	8.25	8.49	7.40	-9.2	-35.7	-38.7	0.10
2.4	62.80	1004.3	997.3	990.3	8.22	8.53	7.58	-9.1	-34.8	-37.7	0.29
2.5	63.60	1012.4	1005.2	998.3	8.16	8.54	7.79	-9.0	-34.0	-36.5	0.51
2.6	63.20	1020.5	1013.1	1006.3	8.00	8.52	7.91	-9.0	-33.2	-35.6	0.82
2.8	62.72	1028.4	1021.0	1014.2	7.79	8.42	8.02	-9.0	-32.5	-34.4	1.13
2.9	61.52	1036.3	1028.6	1021.9	7.62	8.24	8.05	-9.0	-33.1	-33.6	1.49
3.0	60.40	1043.8	1036.2	1029.4	7.44	8.08	7.95	-9.1	-34.5	-32.7	1.83
3.1	58.48	1051.0	1043.5	1036.8	7.38	7.89	7.85	-9.1	-36.3	-31.4	2.10
3.3	55.60	1058.1	1050.5	1044.0	7.30	7.81	7.70	-9.1	-37.9	-30.7	2.37
3.4	54.32	1064.6	1057.2	1050.9	7.27	7.76	7.67	-9.2	-40.2	-29.7	2.68
3.5	51.20	1070.7	1063.6	1057.4	7.21	7.68	7.65	-9.3	-41.6	-29.0	2.76
3.6	47.28	1076.4	1069.6	1063.6	7.17	7.63	7.59	-9.5	-42.0	-28.0	2.91
3.8	44.64	1081.8	1075.1	1069.4	7.12	7.59	7.57	-9.6	-43.1	-27.7	3.03
3.9	41.76	1086.9	1080.4	1074.8	7.06	7.54	7.55	-9.8	-42.4	-27.1	3.12
4.0	39.04	1091.6	1085.2	1079.8	7.03	7.49	7.52	-10.0	-42.7	-26.5	3.16
4.1	36.64	1096.0	1089.8	1084.5	7.01	7.44	7.47	-10.2	-43.0	-26.0	3.18
4.3	34.24	1100.1	1094.1	1089.0	6.99	7.41	7.43	-10.4	-43.2	-25.9	3.17
4.4	31.76	1103.9	1098.1	1093.1	7.01	7.37	7.40	-10.7	-43.3	-25.7	3.14
4.5	29.68	1107.5	1101.8	1096.9	7.03	7.36	7.39	-11.0	-43.7	-25.7	3.08
4.6	27.68	1110.8	1105.2	1100.4	7.06	7.39	7.36	-11.1	-42.7	-25.3	3.01
4.8	25.84	1114.0	1108.5	1103.7	7.15	7.40	7.38	-11.5	-43.7	-25.1	2.92
4.9	23.76	1116.9	1111.4	1106.7	7.20	7.41	7.38	-11.7	-43.3	-24.9	2.82
5.0	22.48	1119.5	1114.2	1109.5	7.29	7.49	7.38	-12.0	-44.0	-25.0	2.73
5.1	20.80	1122.0	1116.8	1112.1	7.35	7.51	7.39	-12.3	-43.7	-25.2	2.60
5.3	19.36	1124.3	1119.3	1114.5	7.43	7.59	7.47	-12.6	-44.1	-25.4	2.44
5.4	17.60	1126.4	1121.5	1116.7	7.49	7.62	7.48	-12.9	-44.5	-25.4	2.27
5.5	16.00	1128.3	1123.5	1118.7	7.62	7.68	7.54	-13.1	-44.4	-25.5	2.07
5.6	14.64	1130.1	1125.3	1120.5	7.68	7.71	7.57	-13.3	-44.7	-25.6	1.90
5.8	13.20	1131.7	1126.9	1122.2	7.74	7.74	7.59	-13.6	-45.1	-25.8	1.73
5.9	12.24	1133.2	1128.5	1123.7	7.83	7.84	7.64	-13.8	-43.6	-25.7	1.59
6.0	11.12	1134.61	1129.86	1125.13	7.88	7.87	7.67	-14.0	-45.5	-25.7	1.41

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-80
10	-105
100	-125
1000	-145