

Voltage Controlled Oscillator

ROS-ED9862/1

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	24.60	985.6	978.3	976.5	-0.05	-0.06	-0.22	-34.7	-32.7	-27.3	0.12	1	-85
0.4	23.76	990.3	983.0	981.3	-0.02	-0.02	-0.18	-34.4	-31.8	-27.0	0.15	10	-110
0.6	23.39	995.1	987.7	985.9	0.00	0.01	-0.14	-34.2	-31.2	-26.6	0.17	100	-130
0.8	23.75	999.9	992.4	990.6	0.01	0.03	-0.10	-33.9	-30.8	-26.4	0.19	1000	-147
1.0	24.19	1004.8	997.3	995.4	0.00	0.05	-0.07	-33.6	-30.3	-26.2	0.19		
1.2	25.33	1010.0	1002.3	1000.3	-0.03	0.05	-0.06	-33.4	-29.9	-26.2	0.24		
1.4	26.52	1015.5	1007.6	1005.5	-0.07	0.05	-0.06	-33.3	-29.3	-25.9	0.24		
1.6	28.07	1021.3	1013.3	1010.9	-0.12	0.01	-0.09	-33.1	-28.7	-25.8	0.24		
1.8	29.64	1027.4	1019.2	1016.7	-0.15	-0.03	-0.13	-33.0	-28.3	-25.7	0.20		
2.0	31.26	1033.9	1025.4	1022.7	-0.15	-0.08	-0.15	-33.0	-27.8	-25.9	0.18		
2.2	32.79	1040.5	1032.0	1029.2	-0.12	-0.09	-0.18	-33.2	-27.4	-25.8	0.10		
2.4	33.82	1047.4	1038.8	1035.8	-0.06	-0.06	-0.17	-33.2	-26.9	-26.2	0.00		
2.6	34.87	1054.4	1045.7	1042.7	-0.01	-0.01	-0.13	-33.6	-26.5	-26.6	0.16		
2.8	35.31	1061.4	1052.8	1049.7	0.06	0.06	-0.07	-33.9	-26.0	-27.1	0.33		
3.0	35.31	1068.5	1059.9	1056.7	0.10	0.13	0.00	-34.3	-25.6	-27.6	0.46		
3.2	34.91	1075.3	1066.8	1063.7	0.09	0.17	0.06	-34.8	-25.4	-28.1	0.68		
3.4	34.38	1082.1	1073.7	1070.6	0.07	0.19	0.09	-35.3	-25.1	-28.8	0.90		
3.6	33.42	1088.7	1080.4	1077.3	0.03	0.17	0.08	-36.1	-24.8	-29.2	1.08		
3.8	32.17	1095.0	1086.8	1083.8	-0.03	0.12	0.06	-36.7	-24.3	-29.8	1.24		
4.0	30.53	1100.9	1092.9	1090.0	-0.07	0.08	0.01	-37.6	-24.1	-30.4	1.39		
4.2	28.79	1106.5	1098.7	1095.8	-0.07	0.04	-0.04	-38.2	-23.9	-30.9	1.55		
4.4	26.81	1111.7	1104.1	1101.3	-0.05	0.03	-0.07	-39.4	-23.8	-31.2	1.69		
4.6	24.67	1116.5	1109.0	1106.3	-0.01	0.04	-0.07	-39.6	-23.7	-31.6	1.74		
4.8	22.59	1120.9	1113.5	1110.8	0.02	0.07	-0.05	-40.8	-23.4	-32.0	1.76		
5.0	20.40	1124.9	1117.6	1114.9	0.04	0.09	-0.03	-41.3	-23.3	-32.2	1.76		
5.2	18.22	1128.5	1121.2	1118.6	0.06	0.13	0.00	-42.3	-23.2	-32.5	1.71		
5.4	16.13	1131.8	1124.5	1121.8	0.08	0.15	0.03	-42.6	-23.0	-32.4	1.57		
5.6	14.29	1134.6	1127.3	1124.6	0.07	0.17	0.03	-43.7	-22.9	-32.4	1.37		
5.8	12.41	1137.2	1129.8	1127.0	0.08	0.17	0.06	-44.0	-22.7	-32.6	1.20		
6.0	10.71	1139.4	1131.9	1129.0	0.07	0.19	0.05	-43.9	-22.6	-32.9	1.00		
6.2	9.28	1141.4	1133.8	1130.8	0.08	0.18	0.06	-44.7	-22.5	-33.0	0.76		
6.4	7.94	1143.1	1135.4	1132.3	0.07	0.18	0.07	-44.8	-22.4	-33.2	0.56		
6.6	6.82	1144.5	1136.8	1133.6	0.07	0.19	0.05	-44.3	-22.4	-33.1	0.36		
6.8	5.78	1145.7	1137.9	1134.7	0.07	0.17	0.06	-44.6	-22.3	-33.1	0.20		
7.0	5.03	1146.8	1138.9	1135.7	0.07	0.17	0.06	-44.4	-22.2	-33.3	0.06		
7.2	4.38	1147.7	1139.8	1136.5	0.06	0.18	0.06	-44.4	-22.2	-33.3	0.06		
7.4	3.84	1148.5	1140.6	1137.2	0.06	0.18	0.06	-44.6	-22.2	-33.3	0.14		
7.6	3.45	1149.2	1141.2	1137.9	0.06	0.18	0.05	-44.2	-22.1	-33.5	0.22		
7.8	3.07	1149.8	1141.9	1138.5	0.07	0.18	0.05	-44.3	-22.1	-33.5	0.31		
8.0	2.76	1150.4	1142.4	1139.0	0.07	0.18	0.05	-44.6	-22.0	-33.4	0.33		