Voltage Controlled Oscillator ROS-ED9861/1

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	31.62	1017.4	1012.4	1009.2	-1.16	-0.59	-0.47	-29.8	-26.7	-37.5	0.10
0.3	30.36	1021.1	1016.2	1013.0	-1.09	-0.51	-0.36	-29.8	-26.7	-37.2	0.05
0.4	29.23	1024.8	1019.8	1016.6	-1.05	-0.44	-0.37	-29.9	-26.5	-36.9	0.05
0.5	28.01	1028.2	1023.3	1020.0	-0.99	-0.39	-0.28	-29.7	-26.6	-36.7	0.08
0.6	27.32	1031.6	1026.8	1023.4	-0.99	-0.40	-0.24	-29.7	-26.7	-37.2	0.05
0.8	26.95	1035.0	1030.1	1026.7	-0.94	-0.34	-0.25	-29.8	-26.6	-36.9	0.03
0.9	26.46	1038.3	1033.4	1029.9	-0.89	-0.28	-0.18	-29.5	-26.7	-36.9	0.03
1.0	26.30	1041.7	1036.7	1033.1	-0.86	-0.28	-0.13	-29.4	-26.7	-36.9	0.03
1.1	26.02	1044.9	1040.0	1036.3	-0.81	-0.22	-0.11	-29.3	-26.6	-37.5	0.00
1.3	25.92	1048.2	1043.2	1039.5	-0.75	-0.16	-0.06	-29.5	-26.8	-37.1	0.00
1.4	25.94	1051.5	1046.5	1042.6	-0.68	-0.12	-0.01	-28.8	-26.4	-36.7	0.00
1.5	25.86	1054.8	1049.7	1045.8	-0.63	-0.05	0.05	-29.1	-26.7	-37.6	0.03
1.6	26.07	1058.1	1052.9	1048.9	-0.57	-0.01	0.10	-28.9	-26.8	-37.9	0.00
1.8	26.06	1061.4	1056.2	1052.1	-0.51	0.06	0.17	-28.8	-26.9	-37.2	0.03
1.9	26.29	1064.7	1059.5	1055.3	-0.46	0.12	0.21	-28.7	-26.7	-36.8	0.03
2.0	26.48	1068.1	1062.8	1058.5	-0.45	0.17	0.27	-28.4	-26.9	-37.3	0.03
2.1	26.56	1071.5	1066.1	1061.8	-0.40	0.22	0.33	-28.5	-27.1	-37.3	0.03
2.3	26.72	1074.9	1069.5	1065.0	-0.39	0.25	0.37	-28.1	-27.1	-37.5	0.00
2.4	27.09	1078.3	1072.8	1068.3	-0.42	0.25	0.40	-28.2	-26.7	-37.8	0.00
2.5	27.22	1081.8	1076.2	1071.6	-0.40	0.28	0.44	-28.0	-26.8	-37.7	0.00
2.6	27.50	1085.3	1079.7	1075.0	-0.43	0.25	0.43	-27.5	-27.0	-37.8	0.00
2.8	27.72	1088.8	1083.2	1078.4	-0.50	0.22	0.42	-27.4	-26.8	-37.7	0.00
2.9	28.01	1092.3	1086.7	1081.8	-0.52	0.22	0.44	-27.2	-27.0	-38.1	0.00
3.0	28.07	1095.9	1090.2	1085.2	-0.57	0.14	0.39	-26.7	-27.2	-38.3	0.06
3.1	28.32	1099.5	1093.7	1088.7	-0.63	0.10	0.32	-26.6	-27.1	-38.7	0.06
3.3	28.46	1103.1	1097.3	1092.2	-0.68	0.10	0.31	-26.1	-27.1	-38.3	0.08
3.4	28.65	1106.7	1100.8	1095.7	-0.67	0.03	0.26	-26.0	-27.2	-38.8	0.08
3.5	28.80	1110.3	1104.4	1099.2	-0.69	-0.03	0.20	-25.7	-27.3	-38.4	0.11
3.6	28.78	1113.9	1108.0	1102.8	-0.70	-0.06	0.14	-25.4	-27.5	-38.8	0.14
3.8	29.03	1117.6	1111.7	1106.3	-0.70	-0.04	0.15	-25.0	-27.6	-39.1	0.17
3.9	28.84	1121.2	1115.3	1109.9	-0.65	-0.04	0.11	-24.6	-27.7	-38.9	0.20
4.0	29.06	1124.9	1118.9	1113.5	-0.60	-0.02	0.11	-24.2	-27.9	-39.2	0.22
4.1	28.91	1128.5	1122.5	1117.0	-0.56	0.01	0.15	-23.9	-27.9	-39.9	0.25
4.3	29.06	1132.2	1126.2	1120.6	-0.49	0.07	0.17	-23.5	-28.2	-39.9	0.28
4.4	28.97	1135.8	1129.8	1124.2	-0.44	0.11	0.21	-22.9	-28.2	-40.0	0.31
4.5	28.78	1139.5	1133.4	1127.8	-0.39	0.16	0.24	-22.5	-28.5	-40.1	0.34
4.6	28.98	1143.1	1137.0	1131.3	-0.32	0.23	0.30	-22.2	-28.6	-39.7	0.36
4.8	28.84	1146.8	1140.6	1134.9	-0.30	0.28	0.35	-21.9	-28.7	-41.0	0.39
4.9	28.57	1150.4	1144.2	1138.4	-0.25	0.32	0.41	-21.7	-28.8	-40.8	0.39
5.0	28.89	1154.1	1147.8	1142.0	-0.20	0.38	0.45	-21.4	-29.1	-41.6	0.42
5.1	28.61	1157.7	1151.4	1145.5	-0.14	0.42	0.50	-21.1	-28.9	-41.8	0.41
5.3	28.50	1161.3	1154.9	1149.0	-0.14	0.46	0.56	-21.1	-29.2	-42.1	0.42
5.4	28.34	1164.9	1158.5	1152.5	-0.07	0.51	0.57	-21.0	-28.8	-42.2	0.40
5.5	28.11	1168.5	1162.0	1155.9	0.00	0.52	0.62	-21.2	-29.0	-42.5	0.42
5.6	27.76	1172.0	1165.4	1159.4	0.02	0.60	0.68	-21.1	-29.1	-41.3	0.42
5.8	27.46	1175.4	1168.9	1162.8	0.09	0.67	0.75	-21.3	-29.1	-42.6	0.40
5.9	27.22	1178.8	1172.3	1166.1	0.19	0.70	0.78	-21.4	-29.0	-42.7	0.40
6.0	26.88	1182.21	1175.64	1169.47	0.24	0.79	0.86	-21.6	-28.7	-42.8	0.4

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-85
10	-108
100	-128
1000	-147