Voltage Controlled Oscillator ROS-ED10095/1

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	
0.4	12.90	1062.4	1057.4	1052.5	4.70	4.86	4.86	-24.1	-22.9	-32.5	0.05
0.8	10.88	1066.4	1061.5	1056.8	4.74	4.91	4.92	-23.9	-22.7	-32.8	0.07
1.1	9.63	1070.0	1065.2	1060.6	4.78	4.95	4.96	-23.7	-22.5	-33.2	0.10
1.5	8.76	1073.3	1068.5	1064.0	4.80	4.98	5.01	-23.7	-22.4	-33.8	0.10
1.9	8.26	1076.4	1071.7	1067.1	4.80	4.99	5.03	-23.5	-22.2	-34.2	0.11
2.3	7.82	1079.3	1074.6	1070.1	4.82	5.01	5.06	-23.5	-22.2	-34.5	0.11
2.7	7.51	1082.2	1077.5	1073.0	4.81	5.01	5.08	-23.4	-22.0	-34.9	0.12
3.0	7.37	1085.0	1080.3	1075.8	4.82	5.03	5.08	-23.3	-21.8	-35.0	0.12
3.4	7.21	1087.7	1083.0	1078.5	4.81	5.03	5.10	-23.2	-21.6	-35.3	0.12
3.8	7.10	1090.5	1085.7	1081.2	4.80	5.02	5.09	-23.1	-21.3	-35.9	0.13
4.2	7.04	1093.1	1088.4	1083.9	4.80	5.02	5.10	-23.0	-21.1	-36.1	0.15
4.6	7.02	1095.8	1091.1	1086.5	4.78	5.01	5.09	-23.1	-21.1	-36.9	0.13
4.9	7.05	1098.5	1093.7	1089.2	4.78	5.00	5.09	-22.9	-20.9	-37.4	0.12
5.3	7.05	1101.2	1096.4	1091.9	4.78	4.99	5.07	-22.8	-20.8	-37.4	0.12
5.7	7.09	1103.9	1099.1	1094.5	4.79	5.25	5.07	-22.8	-20.7	-37.4	0.14
6.1	7.16	1106.6	1101.8	1097.3	4.79	4.99	5.06	-22.7	-20.7	-38.2	0.14
6.5	7.19	1109.4	1104.6	1100.0	4.82	5.00	5.06	-22.6	-20.6	-38.6	0.13
6.8	7.21	1112.2	1107.3	1102.7	4.84	5.02	5.07	-22.5	-20.5	-38.9	0.13
7.2	7.24	1114.9	1110.1	1105.5	4.88	5.05	5.08	-22.5	-20.4	-38.9	0.13
7.6	7.23	1117.7	1112.8	1108.2	4.90	5.08	5.10	-22.5	-20.2	-39.4	0.12
8.0	7.15	1120.5	1115.5	1110.9	4.94	5.11	5.13	-22.5	-20.1	-39.9	0.10
8.4	7.05	1123.2	1118.2	1113.5	4.97	5.13	5.16	-22.5	-20.0	-40.0	0.09
8.7	6.87	1125.8	1120.8	1116.1	5.01	5.17	5.19	-22.5	-19.8	-40.6	0.05
9.1	6.56	1128.2	1123.3	1118.5	5.02	5.20	5.21	-22.7	-19.7	-40.5	0.03
9.5	6.05	1130.5	1125.6	1120.8	5.05	5.24	5.24	-22.7	-19.6	-40.6	0.04
9.9	5.58	1132.6	1127.7	1123.0	5.05	5.25	5.25	-22.8	-19.6	-40.6	0.02
10.3	5.09	1134.5	1129.7	1124.9	5.06	5.27	5.28	-23.0	-19.4	-40.6	0.02
10.6	4.66	1136.3	1131.4	1126.7	5.07	5.29	5.31	-23.0	-19.4	-40.8	0.02
11.0	4.14	1137.9	1133.0	1128.3	5.06	5.28	5.32	-23.1	-19.2	-41.7	0.03
11.4	3.74	1139.3	1134.4	1129.7	5.07	5.29	5.34	-23.3	-19.1	-41.4	0.05
11.8	3.33	1140.6	1135.7	1131.0	5.07	5.30	5.35	-23.2	-19.0	-41.4	0.07
12.2	2.97	1141.8	1136.8	1132.1	5.08	5.31	5.36	-23.3	-18.9	-41.7	0.09
12.5	2.71	1142.8	1137.9	1133.1	5.07	5.30	5.35	-23.3	-18.8	-41.1	0.09
12.9	2.40	1143.7	1138.8	1134.1	5.08	5.30	5.36	-23.5	-18.7	-41.6	0.10
13.3	2.19	1144.5	1139.6	1134.9	5.08	5.31	5.36	-23.4	-18.6	-41.8	0.12
13.7	1.98	1145.3	1140.4	1135.6	5.08	5.31	5.37	-23.5	-18.5	-42.2	0.14
14.1	1.84	1146.0	1141.1	1136.3	5.09	5.31	5.37	-23.6	-18.5	-42.0	0.13
14.4	1.65	1146.6	1141.7	1137.0	5.09	5.32	5.38	-23.6	-18.4	-42.3	0.14
14.8	1.57	1147.2	1142.3	1137.5	5.09	5.32	5.37	-23.6	-18.4	-42.0	0.14

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-92
10	-115
100	-135
1000	-153