Voltage Controlled Oscillator ROS-ED10095A/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	
0.2	13.93	1059.9	1054.1	1049.1	4.96	5.11	5.12	-22.9	-23.2	-33.3	0.03
0.3	12.67	1061.6	1056.0	1051.1	4.98	5.14	5.15	-22.8	-23.1	-33.3	0.04
0.5	11.60	1063.3	1057.7	1052.9	4.94	5.12	5.11	-22.8	-22.9	-33.4	0.06
0.6	10.73	1064.9	1059.3	1054.5	4.96	5.14	5.14	-22.8	-22.9	-33.6	0.06
0.8	10.20	1066.3	1060.8	1056.1	4.98	5.17	5.16	-22.7	-22.8	-34.1	0.07
0.9	9.60	1067.7	1062.3	1057.5	4.94	5.18	5.13	-22.6	-22.6	-34.3	0.09
1.1	9.20	1069.1	1063.7	1059.0	4.96	5.14	5.15	-22.5	-22.5	-34.5	0.09
1.2	8.93	1070.4	1065.0	1060.3	4.97	5.16	5.17	-22.5	-22.5	-34.7	0.10
1.5	8.33	1072.9	1067.5	1062.8	4.96	5.13	5.15	-22.4	-22.4	-34.9	0.11
1.7	8.13	1074.1	1068.8	1064.0	4.97	5.14	5.16	-22.4	-22.4	-35.1	0.12
1.8	7.93	1075.3	1069.9	1065.2	4.97	5.16	5.18	-22.3	-22.2	-35.2	0.10
2.0	7.73	1076.4	1071.1	1066.4	4.98	5.16	5.19	-22.4	-22.2	-35.4	0.11
2.1	7.60	1077.6	1072.2	1067.5	4.96	5.17	5.15	-22.2	-22.1	-35.5	0.11
2.3	7.53	1078.7	1073.4	1068.6	4.96	5.15	5.16	-22.2	-22.0	-35.8	0.11
2.4	7.33	1079.8	1074.5	1069.7	4.96	5.16	5.17	-22.2	-22.0	-35.8	0.11
2.6	7.33	1080.9	1075.6	1070.8	4.96	5.16	5.18	-22.2	-21.9	-35.8	0.11
2.9	7.07	1083.0	1077.7	1072.9	4.94	5.14	5.16	-22.1	-21.8	-36.1	0.12
3.0	7.13	1084.1	1078.8	1074.0	4.94	5.15	5.17	-22.0	-21.7	-36.4	0.12
3.2	6.93	1085.1	1079.8	1075.0	4.93	5.15	5.17	-22.0	-21.6	-36.6	0.12
3.3	7.07	1086.2	1080.9	1076.0	4.93	5.15	5.18	-22.0	-21.4	-36.6	0.12
3.5	6.93	1087.2	1081.9	1077.1	4.92	5.15	5.18	-21.9	-21.4	-36.6	0.13
3.6	6.87	1088.3	1083.0	1078.1	4.91	5.13	5.16	-21.9	-21.2	-36.8	0.12
3.8	6.87	1089.3	1084.0	1079.1	4.91	5.13	5.16	-21.8	-21.2	-36.9	0.13
3.9	6.80	1090.3	1085.0	1080.1	4.90	5.12	5.16	-21.8	-21.1	-37.0	0.13
4.1	6.87	1091.3	1086.0	1081.1	4.89	5.12	5.16	-21.8	-21.1	-37.2	0.13
4.2	6.80	1092.4	1087.1	1082.1	4.88	5.11	5.16	-21.7	-21.0	-37.5	0.13
4.4	6.80	1093.4	1088.1	1083.1	4.89	5.09	5.13	-21.7	-21.0	-37.2	0.13
4.5	6.80	1094.4	1089.1	1084.2	4.87	5.09	5.13	-21.7	-20.9	-37.6	0.14
4.7	6.87	1095.4	1090.1	1085.2	4.87	5.08	5.12	-21.7	-20.9	-37.8	0.13
4.8	6.67	1096.5	1091.1	1086.2	4.86	5.07	5.12	-21.6	-20.9	-37.7	0.13
5.0	6.80	1097.5	1092.2	1087.2	4.85	5.07	5.12	-21.7	-20.8	-37.9	0.14
5.1	6.93	1098.5	1093.2	1088.2	4.83	5.07	5.10	-21.6	-20.8	-37.7	0.14
5.3	6.73	1099.5	1094.2	1089.2	4.83	5.06	5.09	-21.5	-20.7	-37.9	0.14
5.6	6.93	1101.6	1096.3	1091.2	4.81	5.04	5.08	-21.5	-20.6	-38.5	0.13
5.7	6.80	1102.6	1097.3	1092.3	4.83	5.03	5.07	-21.4	-20.5	-38.4	0.13
5.9	6.93	1103.6	1098.3	1093.3	4.83	5.01	5.07	-21.4	-20.5	-38.4	0.14
6.0	6.87	1104.7	1099.4	1094.3	4.83	5.01	5.06	-21.5	-20.5	-38.7	0.13
6.2	6.93	1105.7	1100.4	1095.3	4.82	5.00	5.05	-21.4	-20.4	-39.0	0.14
6.3	6.93	1106.8	1101.4	1096.4	4.82	4.99	5.05	-21.4	-20.4	-38.7	0.13
6.5	7.00	1107.8	1102.5	1097.4	4.82	4.99	5.03	-21.4	-20.4	-38.9	0.13
6.6	6.93	1108.9	1103.5	1098.4	4.82	5.01	5.01	-21.3	-20.2	-38.9	0.13
6.8	7.07	1109.9	1104.6	1099.5	4.82	5.00	5.01	-21.3	-20.2	-39.3	0.13
6.9	7.00	1111.0	1105.6	1100.5	4.82	5.00	5.00	-21.3	-20.1	-39.2	0.13
7.1	7.00	1112.1	1106.7	1101.6	4.82	5.00	4.99	-21.2	-20.1	-39.4	0.13
7.2	7.00	1113.2	1107.7	1102.6	4.88	5.00	5.02	-21.3	-20.0	-39.3	0.11
7.4	7.00	1114.2	1108.8	1103.6	4.90	5.00	5.01	-21.2	-19.9	-39.2	0.13
7.5	7.00	1115.3	1109.8	1104.7	4.91	5.00	5.01	-21.2	-20.0	-39.4	0.11
7.8	6.93	1117.4	1111.9	1106.7	4.93	5.00	5.00	-21.2	-19.7	-39.8	0.10
8.0	7.00	1118.4	1113.0	1107.8	4.98	5.07	5.00	-21.3	-19.7	-39.9	0.10
8.1	7.00	1119.5	1114.0	1108.8	4.99	5.07	5.00	-21.2	-19.6	-40.1	0.09
8.3	6.87	1120.5	1115.1	1109.8	5.01	5.07	5.00	-21.3	-19.5	-39.8	0.09
8.4	6.80	1121.5	1116.1	1110.8	5.02	5.07	5.00	-21.3	-19.5	-40.3	0.09
8.6	6.67	1122.4	1117.1	1111.7	5.03	5.08	5.00	-21.3	-19.4	-40.3	0.07
8.7	6.53	1123.4	1118.1	1112.7	5.07	5.13	5.06	-21.3	-19.4	-40.1	0.06
8.9	6.40	1124.4	1119.0	1113.7	5.08	5.14	5.07	-21.4	-19.2	-40.5	0.06
9.0	6.27	1125.3	1120.0	1114.6	5.09	5.15	5.07	-21.5	-19.2	-40.1	0.05
9.2	6.00	1126.2	1120.9	1115.5	5.11	5.16	5.07	-21.5	-19.1	-40.5	0.04
9.3	5.93	1127.0	1121.8	1116.4	5.11	5.17	5.08	-21.5	-19.1	-40.9	0.03
9.5	5.73	1127.9	1122.6	1117.2	5.14	5.21	5.08	-21.5	-19.0	-40.8	0.03
9.8	5.33	1129.6	1124.3	1118.9	5.19	5.24	5.13	-21.5	-18.8	-40.9	0.01
9.9	5.20	1130.4	1125.0	1119.7	5.20	5.25	5.14	-21.6	-18.8	-40.9	0.03
10.1	5.07	1131.1	1125.8	1120.5	5.21	5.25	5.15	-21.7	-18.7	-40.8	0.01

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-90
10	-115
100	-125
1000	-145