Voltage Controlled Oscillator ROS-ED8679A/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	
0.3	11.58	1032.3	1028.0	1024.1	7.11	8.33	8.48	-34.8	-31.7	-35.2	0.24
0.5	10.06	1034.6	1030.5	1026.7	6.97	8.22	8.39	-35.2	-31.6	-35.0	0.21
0.8	9.07	1036.8	1032.7	1029.0	6.87	8.13	8.29	-35.2	-31.4	-34.5	0.21
1.0	8.43	1038.9	1034.9	1031.2	6.78	8.05	8.22	-35.3	-31.4	-34.7	0.21
1.3	7.96	1040.8	1036.8	1033.2	6.68	7.96	8.14	-35.7	-31.3	-34.8	0.19
1.5	7.58	1042.7	1038.7	1035.1	6.57	7.91	8.08	-35.5	-31.1	-34.5	0.21
1.8	7.28	1044.5	1040.6	1036.9	6.46	7.84	8.02	-35.7	-31.0	-34.8	0.21
2.0	7.12	1046.3	1042.3	1038.7	6.36	7.76	7.99	-35.4	-31.2	-34.6	0.21
2.3	6.96	1048.0	1044.1	1040.4	6.37	7.68	7.93	-35.9	-30.6	-34.8	0.21
2.5	6.87	1049.8	1045.8	1042.1	6.27	7.60	7.87	-36.3	-30.7	-34.6	0.21
2.8	6.74	1051.5	1047.5	1043.8	6.17	7.52	7.80	-35.9	-30.9	-34.8	0.21
3.0	6.75	1053.2	1049.2	1045.5	6.03	7.55	7.74	-36.6	-30.9	-34.7	0.18
3.3	6.68	1054.9	1050.8	1047.1	5.92	7.46	7.67	-36.5	-30.9	-34.8	0.21
3.5	6.69	1056.5	1052.5	1048.8	5.81	7.34	7.71	-36.2	-30.9	-34.7	0.21
3.8	6.67	1058.2	1054.2	1050.5	5.75	7.26	7.64	-36.5	-30.8	-34.7	0.21
4.0	6.74	1060.0	1055.9	1052.1	5.64	7.17	7.56	-36.7	-30.8	-34.7	0.18
4.3	6.82	1061.7	1057.6	1053.8	5.52	7.13	7.45	-36.6	-30.7	-34.4	0.21
4.5	6.85	1063.4	1059.3	1055.5	5.55	7.03	7.37	-36.6	-30.4	-34.4	0.21
4.8	6.93	1065.2	1061.0	1057.2	5.44	6.94	7.29	-36.5	-30.5	-34.5	0.20
5.0	7.11	1067.0	1062.8	1059.0	5.34	6.99	7.24	-36.6	-30.4	-34.4	0.18
5.3	7.13	1068.8	1064.6	1060.7	5.22	6.89	7.16	-36.4	-30.6	-34.7	0.20
5.5	7.34	1070.7	1066.4	1062.5	5.11	6.79	7.21	-36.6	-30.6	-34.8	0.18
5.8	7.41	1072.6	1068.3	1064.4	5.07	6.69	7.12	-36.8	-30.3	-34.4	0.18
6.0	7.64	1074.5	1070.2	1066.2	4.97	6.59	7.03	-36.9	-30.3	-34.9	0.18
6.3	7.80	1076.5	1072.1	1068.2	4.89	6.49	6.93	-36.7	-30.2	-34.7	0.18
6.5	7.99	1078.6	1074.1	1070.1	4.84	6.46	6.83	-37.0	-30.6	-35.0	0.18
6.8	8.16	1080.6	1076.2	1072.1	4.75	6.37	6.73	-36.6	-30.3	-35.3	0.18
7.0	8.40	1082.8	1078.3	1074.2	4.73	6.35	6.71	-37.0	-30.5	-35.7	0.18
7.3	8.63	1085.0	1080.4	1076.3	4.64	6.27	6.62	-37.0	-30.6	-35.9	0.18
7.5	8.84	1087.2	1082.6	1078.5	4.57	6.25	6.61	-36.9	-30.4	-35.9	0.18
7.8	9.06	1089.6	1084.9	1080.8	4.55	6.17	6.52	-36.9	-30.5	-36.2	0.17
8.0	9.30	1091.9	1087.2	1083.0	4.47	6.10	6.51	-36.8	-30.6	-36.5	0.18
8.3	9.53	1094.4	1089.6	1085.4	4.46	6.08	6.44	-37.1	-30.5	-36.7	0.17
8.5	9.80	1096.9	1092.0	1087.8	4.39	6.02	6.42	-36.8	-30.7	-36.4	0.20
8.8	9.94	1099.4	1094.5	1090.3	4.37	5.99	6.36	-36.7	-30.8	-36.4	0.18
9.0	10.12	1102.0	1097.1	1092.8	4.30	5.93	6.35	-36.7	-30.7	-36.9	0.18
9.3	10.33	1104.6	1099.6	1095.3	4.24	5.91	6.29	-36.6	-31.0	-36.7	0.20
9.5	10.43	1107.3	1102.3	1097.9	4.18	5.85	6.26	-36.6	-31.3	-36.6	0.20
9.8	10.58	1109.9	1104.9	1100.5	4.17	5.78	6.21	-36.7	-31.1	-36.7	0.20
10.0	10.60	1112.6	1107.6	1103.1	4.11	5.79	6.16	-36.8	-31.6	-37.0	0.22

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-90
10	-110
100	-130
1000	-150