Voltage Controlled Oscillator ROS-ED9825/1

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	28.95	983.8	979.7	977.3	0.68	1.44	1.30	-16.0	-28.5	-38.3	0.86
0.5	25.47	990.6	986.1	983.7	0.34	1.50	1.49	-17.3	-28.7	-38.0	0.79
0.8	26.59	996.4	992.8	989.7	0.67	1.46	1.48	-18.6	-28.8	-37.3	0.58
1.0	19.23	1001.2	997.6	995.6	0.80	1.64	1.50	-18.4	-28.4	-35.7	0.61
1.3	18.95	1006.0	1002.3	1000.2	0.81	1.70	1.55	-18.6	-27.5	-35.1	0.61
1.5	18.38	1010.7	1006.9	1004.8	0.81	1.70	1.53	-18.6	-26.9	-35.1	0.63
1.8	17.74	1015.1	1011.3	1009.2	0.73	1.67	1.48	-18.8	-26.6	-34.5	0.63
2.0	17.33	1019.5	1015.7	1013.5	0.70	1.62	1.41	-18.8	-26.6	-34.3	0.58
2.3	16.90	1023.6	1019.9	1017.7	0.67	1.57	1.34	-19.1	-26.4	-33.9	0.58
2.5	16.61	1028.0	1024.0	1021.9	0.40	1.49	1.25	-19.5	-26.4	-33.3	0.58
2.8	18.18	1033.0	1028.6	1026.0	0.57	1.30	1.18	-20.8	-26.1	-33.3	0.68
3.0	18.72	1036.7	1033.3	1030.4	0.86	1.36	1.06	-21.2	-25.7	-33.4	0.52
3.3	15.37	1040.6	1037.1	1035.2	1.04	1.48	1.09	-21.3	-25.6	-33.5	0.52
3.5	15.85	1044.5	1041.1	1038.9	1.17	1.56	1.19	-21.8	-25.3	-33.6	0.55
3.8	16.10	1048.5	1045.1	1042.9	1.30	1.62	1.26	-22.4	-25.2	-33.7	0.55
4.0	16.16	1052.5	1049.1	1046.8	1.40	1.68	1.35	-23.1	-25.7	-33.6	0.52
4.3	16.20	1056.4	1053.2	1050.8	1.51	1.75	1.45	-23.5	-26.1	-33.8	0.55
4.5	16.53	1060.5	1057.3	1054.8	1.49	1.81	1.55	-24.0	-26.4	-33.7	0.54
4.8	16.53	1064.7	1061.4	1058.9	1.26	1.83	1.64	-24.6	-26.7	-34.5	0.49
5.0	17.56	1070.2	1065.8	1063.0	0.97	1.72	1.72	-25.4	-27.1	-35.2	0.57
5.3	21.32	1074.2	1071.2	1067.2	1.21	1.71	1.73	-25.7	-27.0	-35.3	0.45
5.5	16.09	1078.4	1075.2	1072.5	1.15	1.78	1.72	-25.3	-26.6	-34.4	0.42
5.8	16.76	1082.8	1079.4	1076.5	0.98	1.73	1.78	-25.4	-26.6	-34.0	0.42
6.0	17.28	1087.2	1083.7	1080.6	0.70	1.61	1.74	-25.5	-26.8	-33.6	0.42
6.3	17.49	1091.7	1088.1	1084.9	0.44	1.45	1.65	-25.8	-27.1	-34.2	0.39
6.5	17.74	1096.3	1092.5	1089.3	0.12	1.25	1.52	-26.1	-27.2	-34.2	0.37
6.8	18.02	1100.9	1097.0	1093.7	-0.24	0.97	1.35	-26.5	-27.4	-34.3	0.33
7.0	18.15	1106.4	1101.6	1098.1	-0.90	0.71	1.14	-27.0	-27.7	-33.9	0.31
7.3	22.09	1111.5	1107.1	1102.6	-0.92	0.30	0.91	-28.3	-27.7	-34.5	0.33
7.5	19.55	1116.1	1112.0	1107.6	-1.06	0.20	0.60	-27.2	-27.2	-33.5	0.28
7.8	18.17	1120.8	1116.5	1113.0	-1.28	0.04	0.38	-26.5	-26.8	-33.9	0.28
8.0	18.99	1125.7	1121.3	1117.5	-1.44	-0.14	0.22	-26.2	-27.1	-34.2	0.28
8.3	19.23	1130.6	1126.1	1122.2	-1.58	-0.28	0.11	-25.9	-27.6	-33.6	0.28
8.5	19.46	1135.6	1130.9	1127.0	-1.72	-0.40	-0.03	-26.1	-27.9	-33.4	0.31
8.8	19.72	1140.6	1135.9	1131.8	-1.88	-0.48	-0.13	-26.3	-27.9	-33.5	0.34
9.0	19.87	1147.0	1140.8	1136.7	-1.90	-0.53	-0.19	-27.2	-28.5	-34.5	0.34
9.3	24.83	1151.9	1147.0	1141.6	-1.67	-0.52	-0.21	-27.9	-28.4	-35.4	0.34
9.5	19.52	1156.8	1151.9	1147.3	-1.54	-0.34	-0.21	-27.5	-28.3	-35.1	0.42
9.8	19.80	1162.0	1156.9	1152.7	-1.41	-0.19	0.02	-27.7	-28.7	-34.9	0.50
10.0	20.21	1167.0	1161.9	1157.6	-1.29	-0.05	0.17	-27.9	-29.3	-34.9	0.55
10.3	19.94	1172.1	1166.9	1162.5	-1.24	0.08	0.30	-28.4	-30.0	-35.5	0.61
10.5	20.08	1177.2	1171.9	1167.5	-1.27	0.16	0.38	-28.4	-30.0	-36.1	0.69
10.8	19.82	1183.2	1176.9	1172.4	-1.51	0.17	0.46	-28.6	-29.8	-36.3	0.76
11.0	21.70	1188.3	1182.3	1177.3	-1.52	0.04	0.49	-29.8	-29.8	-37.3	0.99
11.3	22.23	1193.1	1187.9	1182.2	-1.63	-0.08	0.42	-28.9	-29.6	-36.8	0.84
11.5	18.44	1197.9	1192.5	1188.0	-1.81	-0.14	0.24	-28.5	-29.5	-36.6	0.93
11.8	18.74	1202.6	1197.1	1192.6	-1.96	-0.32	0.12	-28.5	-29.5	-36.7	1.06
12.0	18.50	1207.29	1201.77	1197.21	-2.13	-0.51	0	-28.43	-29.54	-36.96	1.11

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-83
10	-108
100	-128
1000	-148