

Voltage Controlled Oscillator

ROS-ED10089/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
0.4	13.74	1017.0	1012.6	1007.8	2.12	2.48	2.42	-31.0	-16.3	-21.2	0.15	1	-91
0.8	12.23	1021.6	1017.2	1012.5	2.14	2.45	2.44	-31.3	-16.1	-21.7	0.18	10	-116
1.1	11.74	1026.1	1021.7	1017.0	2.18	2.46	2.41	-31.5	-16.0	-22.3	0.21	100	-136
1.5	11.52	1030.5	1026.1	1021.4	2.25	2.48	2.41	-31.9	-15.8	-23.1	0.23	1000	-154
1.9	11.55	1034.8	1030.5	1025.7	2.32	2.52	2.42	-32.4	-15.7	-23.5	0.21		
2.3	11.62	1039.3	1034.9	1030.1	2.39	2.56	2.45	-33.2	-15.4	-24.2	0.21		
2.7	11.72	1043.7	1039.3	1034.6	2.46	2.61	2.49	-34.0	-15.2	-24.8	0.18		
3.0	11.83	1048.2	1043.8	1039.1	2.55	2.66	2.53	-35.1	-15.0	-25.3	0.16		
3.4	11.79	1052.6	1048.3	1043.6	2.62	2.72	2.58	-36.5	-14.6	-26.1	0.13		
3.8	11.75	1057.0	1052.8	1048.0	2.68	2.79	2.65	-38.3	-14.3	-26.5	0.10		
4.2	11.53	1061.4	1057.2	1052.4	2.70	2.83	2.72	-40.4	-14.0	-27.1	0.05		
4.6	11.28	1065.6	1061.4	1056.7	2.71	2.85	2.76	-43.4	-13.8	-27.6	0.03		
4.9	10.97	1069.8	1065.6	1060.9	2.64	2.87	2.80	-47.2	-13.6	-27.9	0.03		
5.3	10.56	1073.8	1069.6	1064.9	2.71	2.89	2.83	-51.8	-13.4	-28.6	0.05		
5.7	10.21	1077.6	1073.5	1068.8	2.72	2.90	2.86	-50.2	-13.2	-29.1	0.05		
6.1	9.82	1081.3	1077.2	1072.5	2.70	2.91	2.88	-46.3	-13.1	-29.5	0.08		
6.5	9.41	1084.9	1080.8	1076.1	2.69	2.93	2.90	-41.9	-12.8	-30.1	0.08		
6.8	9.07	1088.4	1084.3	1079.5	2.67	2.93	2.93	-40.4	-12.5	-30.7	0.08		
7.2	8.74	1091.7	1087.6	1082.8	2.63	2.92	2.94	-38.8	-12.4	-31.1	0.11		
7.6	8.36	1094.9	1090.8	1086.0	2.60	2.90	2.94	-37.7	-12.2	-31.7	0.08		
8.0	8.11	1098.0	1093.8	1089.0	2.58	2.89	2.93	-36.8	-12.1	-31.9	0.11		
8.4	7.79	1100.9	1096.8	1092.0	2.56	2.86	2.92	-35.7	-12.0	-32.4	0.11		
8.7	7.51	1103.8	1099.6	1094.8	2.56	2.87	2.91	-35.1	-12.0	-32.7	0.08		
9.1	7.23	1106.6	1102.4	1097.6	2.57	2.87	2.91	-34.4	-11.9	-33.2	0.08		
9.5	7.01	1109.3	1105.1	1100.2	2.60	2.89	2.90	-33.9	-11.8	-33.3	0.08		
9.9	6.79	1111.8	1107.6	1102.8	2.64	2.92	2.92	-33.3	-11.7	-33.8	0.08		
10.3	6.55	1114.4	1110.1	1105.3	2.67	2.95	2.94	-32.9	-11.6	-34.0	0.08		
10.6	6.33	1116.8	1112.5	1107.7	2.72	3.00	2.97	-32.3	-11.5	-34.6	0.08		
11.0	6.22	1119.2	1114.9	1110.0	2.76	3.04	3.01	-31.8	-11.4	-35.0	0.08		
11.4	6.07	1121.5	1117.2	1112.2	2.82	3.09	3.05	-31.6	-11.4	-35.2	0.08		
11.8	5.85	1123.7	1119.4	1114.4	2.86	3.14	3.10	-31.3	-11.2	-35.6	0.08		
12.2	5.63	1125.8	1121.6	1116.5	2.90	3.19	3.15	-31.2	-11.2	-35.5	0.06		
12.5	5.41	1127.9	1123.6	1118.6	2.91	3.23	3.18	-30.9	-11.1	-35.9	0.06		
12.9	5.23	1129.9	1125.6	1120.6	2.93	3.27	3.22	-30.8	-11.0	-35.8	0.08		
13.3	5.08	1131.8	1127.5	1122.6	2.95	3.28	3.25	-30.6	-10.9	-36.4	0.06		
13.7	4.89	1133.7	1129.4	1124.4	2.95	3.31	3.29	-30.3	-10.8	-36.2	0.06		
14.1	4.76	1135.5	1131.2	1126.3	2.96	3.34	3.34	-30.1	-10.7	-36.7	0.06		
14.4	4.60	1137.3	1133.0	1128.0	2.98	3.33	3.35	-29.9	-10.5	-36.7	0.06		
14.8	4.47	1139.0	1134.7	1129.7	2.97	3.35	3.38	-29.7	-10.4	-37.3	0.06		