

Voltage Controlled Oscillator

ROS-EDR5664

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			
0.3	15.37	1123.7	1116.8	1111.2	4.44	2.49	0.60	-17.6	-37.2	-29.7	-0.66	1	-93
0.5	13.10	1126.9	1120.1	1114.5	4.30	2.35	0.51	-17.6	-37.4	-29.5	-0.56	10	-112
0.8	11.74	1129.7	1123.0	1117.5	4.21	2.27	0.45	-17.6	-38.0	-29.5	-0.50	100	-133
1.0	10.84	1132.4	1125.7	1120.2	4.12	2.20	0.42	-17.6	-38.5	-29.7	-0.46	1000	-149
1.3	10.20	1135.0	1128.3	1122.7	4.02	2.13	0.37	-17.7	-39.1	-29.9	-0.42		
1.5	9.72	1137.4	1130.7	1125.1	3.94	2.06	0.32	-17.7	-39.7	-30.1	-0.40		
1.8	9.36	1139.7	1133.0	1127.5	3.85	2.00	0.29	-17.7	-40.2	-30.1	-0.38		
2.0	9.11	1142.0	1135.3	1129.7	3.79	1.94	0.25	-17.7	-40.7	-30.1	-0.36		
2.3	8.91	1144.3	1137.5	1131.9	3.72	1.89	0.23	-17.7	-41.2	-29.9	-0.34		
2.5	8.78	1146.5	1139.7	1134.1	3.65	1.85	0.20	-17.8	-41.5	-29.9	-0.32		
2.8	8.69	1148.7	1141.9	1136.2	3.59	1.80	0.16	-17.8	-41.9	-29.9	-0.32		
3.0	8.66	1150.9	1144.1	1138.4	3.52	1.76	0.14	-17.8	-42.2	-30.0	-0.28		
3.3	8.61	1153.0	1146.2	1140.5	3.44	1.70	0.11	-17.8	-42.6	-30.3	-0.28		
3.5	8.64	1155.2	1148.4	1142.6	3.36	1.66	0.07	-17.8	-43.5	-30.4	-0.26		
3.8	8.69	1157.4	1150.5	1144.8	3.29	1.62	0.06	-17.9	-44.2	-30.6	-0.26		
4.0	8.73	1159.7	1152.7	1146.9	3.22	1.57	0.04	-17.9	-44.8	-30.7	-0.24		
4.3	8.83	1161.9	1154.9	1149.1	3.16	1.51	0.02	-17.9	-45.4	-30.7	-0.22		
4.5	8.95	1164.2	1157.2	1151.3	3.10	1.47	0.00	-17.9	-46.2	-30.9	-0.20		
4.8	9.08	1166.5	1159.4	1153.5	3.04	1.43	-0.04	-18.0	-47.2	-31.2	-0.18		
5.0	9.22	1168.8	1161.8	1155.8	2.98	1.38	-0.07	-18.0	-48.0	-31.8	-0.18		
5.3	9.40	1171.2	1164.1	1158.1	2.92	1.34	-0.09	-18.1	-48.5	-32.5	-0.16		
5.5	9.61	1173.7	1166.5	1160.5	2.85	1.30	-0.11	-18.2	-49.6	-33.3	-0.14		
5.8	9.84	1176.2	1169.0	1162.9	2.79	1.25	-0.15	-18.2	-50.7	-33.7	-0.14		
6.0	10.08	1178.8	1171.5	1165.4	2.70	1.22	-0.17	-18.2	-51.7	-34.1	-0.10		
6.3	10.34	1181.4	1174.1	1167.9	2.67	1.14	-0.20	-18.2	-52.3	-34.2	-0.06		
6.5	10.66	1184.1	1176.7	1170.5	2.61	1.13	-0.22	-18.2	-52.9	-34.5	-0.08		
6.8	10.92	1186.9	1179.5	1173.2	2.57	1.09	-0.23	-18.1	-53.4	-34.8	-0.04		
7.0	11.24	1189.8	1182.3	1176.0	2.51	1.07	-0.25	-18.2	-52.8	-35.1	-0.04		