

Voltage Controlled Oscillator

ROS-ED9297/2

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			
0.1	19.12	1118.0	1111.2	1106.0	7.67	8.37	8.06	-23.5	-30.4	-34.7	1.15	1	-75
0.3	17.88	1120.1	1113.5	1108.4	7.72	8.42	8.15	-23.6	-30.6	-34.6	1.09	10	-100
0.4	17.05	1122.2	1115.6	1110.6	7.77	8.47	8.20	-23.7	-30.7	-35.0	1.04	100	-120
0.5	16.50	1124.2	1117.7	1112.7	7.81	8.46	8.25	-23.8	-30.6	-35.5	1.01	1000	-140
0.6	16.13	1126.2	1119.7	1114.7	7.83	8.50	8.30	-23.9	-30.4	-35.4	0.95		
0.8	15.46	1128.1	1121.6	1116.6	7.82	8.53	8.33	-24.2	-30.6	-35.8	0.90		
0.9	15.10	1130.0	1123.5	1118.5	7.85	8.56	8.32	-24.2	-30.4	-35.9	0.87		
1.0	14.86	1131.9	1125.4	1120.4	7.87	8.59	8.34	-24.5	-30.4	-36.4	0.81		
1.1	14.98	1133.8	1127.2	1122.2	7.70	8.60	8.37	-24.5	-30.5	-36.6	0.78		
1.3	14.74	1135.6	1129.1	1124.0	7.72	8.59	8.39	-24.6	-30.4	-37.1	0.72		
1.4	14.61	1137.5	1130.9	1125.8	7.73	8.61	8.41	-24.9	-30.5	-37.1	0.64		
1.5	14.62	1139.3	1132.7	1127.6	7.83	8.44	8.41	-24.8	-30.6	-38.5	0.62		
1.6	14.36	1141.2	1134.5	1129.4	7.86	8.45	8.42	-25.0	-30.5	-39.3	0.56		
1.8	14.58	1143.0	1136.4	1131.2	7.85	8.47	8.44	-25.2	-30.5	-40.6	0.52		
1.9	14.50	1144.8	1138.2	1133.0	7.87	8.55	8.27	-25.2	-30.7	-40.6	0.48		
2.0	14.46	1146.7	1140.0	1134.7	7.91	8.56	8.28	-25.5	-30.7	-39.3	0.42		
2.1	14.50	1148.5	1141.8	1136.5	7.90	8.57	8.29	-25.5	-30.7	-38.2	0.39		
2.3	14.68	1150.3	1143.6	1138.3	7.93	8.55	8.36	-25.7	-31.0	-37.8	0.36		
2.4	14.68	1152.2	1145.5	1140.1	7.96	8.57	8.38	-25.8	-30.8	-37.5	0.31		
2.5	14.72	1154.1	1147.3	1142.0	7.95	8.59	8.38	-26.0	-30.7	-37.2	0.28		
2.6	14.84	1155.9	1149.2	1143.8	7.98	8.56	8.36	-26.1	-31.0	-37.0	0.21		
2.8	14.85	1157.8	1151.0	1145.6	7.96	8.58	8.37	-26.3	-30.9	-37.1	0.17		
2.9	14.99	1159.7	1152.9	1147.4	7.99	8.56	8.38	-26.4	-30.7	-36.7	0.14		
3.0	14.84	1161.6	1154.7	1149.3	8.04	8.59	8.36	-26.5	-30.8	-36.5	0.09		
3.1	14.96	1163.5	1156.6	1151.1	8.03	8.62	8.38	-26.6	-30.7	-36.8	0.06		
3.3	15.10	1165.4	1158.5	1153.0	8.07	8.59	8.35	-26.8	-30.8	-37.2	0.00		
3.4	15.00	1167.3	1160.4	1154.8	8.11	8.61	8.38	-26.9	-30.8	-37.4	0.06		
3.5	15.12	1169.2	1162.3	1156.7	8.18	8.63	8.40	-27.0	-30.9	-37.3	0.12		
3.6	15.00	1171.0	1164.1	1158.6	8.21	8.61	8.37	-27.1	-31.0	-38.1	0.12		
3.8	15.13	1172.9	1166.0	1160.4	8.14	8.63	8.41	-27.2	-30.9	-37.9	0.17		
3.9	14.97	1174.8	1167.9	1162.2	8.17	8.69	8.43	-27.2	-31.0	-37.9	0.22		
4.0	15.05	1176.7	1169.8	1164.1	8.21	8.71	8.41	-27.4	-31.0	-38.0	0.27		
4.1	14.97	1178.5	1171.7	1165.9	8.21	8.73	8.42	-27.2	-30.8	-38.4	0.33		
4.3	14.93	1180.4	1173.5	1167.8	8.25	8.65	8.48	-27.5	-30.9	-38.2	0.38		
4.4	14.66	1182.2	1175.3	1169.6	8.28	8.67	8.50	-27.6	-30.7	-37.9	0.42		
4.5	14.69	1184.0	1177.2	1171.4	8.29	8.69	8.53	-27.7	-30.7	-37.8	0.46		
4.6	14.51	1185.8	1179.0	1173.2	8.33	8.68	8.44	-27.7	-30.6	-38.2	0.51		
4.8	14.54	1187.6	1180.8	1175.0	8.38	8.70	8.46	-27.9	-30.3	-37.8	0.55		
4.9	14.19	1189.4	1182.6	1176.8	8.39	8.70	8.48	-27.9	-30.4	-38.2	0.63		
5.0	13.77	1191.1	1184.3	1178.5	8.42	8.73	8.47	-28.1	-30.3	-38.5	0.66		