

Voltage Controlled Oscillator

ROS-EDR5902

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	58.14	874.3	864.7	855.4	1.84	2.15	1.77	-21.9	-42.9	-51.3	0.34	1	-81
0.5	53.52	887.3	878.1	869.1	1.88	2.18	1.78	-22.4	-43.0	-50.5	0.38	10	-105
0.8	50.91	899.9	890.8	882.1	1.93	2.21	1.82	-22.7	-43.7	-49.4	0.40	100	-127
1.0	49.71	912.1	903.3	894.6	2.08	2.28	1.85	-23.0	-44.1	-48.4	0.42	1000	-143
1.3	48.50	924.2	915.4	906.9	2.21	2.40	1.95	-23.4	-45.0	-47.4	0.44		
1.5	48.40	936.3	927.5	919.1	2.31	2.49	2.04	-23.9	-44.7	-46.9	0.44		
1.8	48.32	948.4	939.6	931.2	2.31	2.51	2.09	-24.2	-45.4	-45.8	0.45		
2.0	49.12	960.7	951.8	943.4	2.36	2.48	2.06	-24.5	-46.2	-45.0	0.46		
2.3	49.04	973.0	964.1	955.9	2.42	2.54	2.07	-24.8	-46.4	-44.0	0.45		
2.5	49.32	985.4	976.4	968.2	2.45	2.55	2.10	-25.2	-47.0	-43.0	0.42		
2.8	49.82	997.9	988.9	980.8	2.43	2.49	2.05	-25.6	-46.5	-41.3	0.41		
3.0	50.32	1010.4	1001.5	993.4	2.47	2.47	1.96	-25.8	-46.1	-40.8	0.38		
3.3	49.60	1022.8	1013.9	1006.0	2.51	2.47	1.95	-26.1	-45.8	-40.3	0.35		
3.5	49.69	1035.2	1026.3	1018.5	2.56	2.48	1.94	-26.5	-44.6	-40.7	0.30		
3.8	49.76	1047.5	1038.7	1031.0	2.58	2.49	1.95	-26.9	-44.0	-39.9	0.27		
4.0	49.62	1059.8	1051.1	1043.5	2.57	2.46	1.93	-27.4	-42.3	-40.1	0.23		
4.3	48.75	1071.8	1063.3	1056.0	2.47	2.37	1.86	-27.5	-41.6	-39.0	0.18		
4.5	48.36	1083.8	1075.4	1068.2	2.39	2.25	1.73	-27.9	-40.8	-39.0	0.14		
4.8	47.70	1095.6	1087.3	1080.3	2.38	2.22	1.68	-28.1	-40.2	-39.2	0.10		
5.0	47.30	1107.2	1099.2	1092.3	2.36	2.18	1.65	-28.4	-39.5	-38.9	0.07		
5.3	46.20	1118.5	1110.7	1104.0	2.26	2.11	1.58	-28.9	-38.7	-38.9	0.04		
5.5	45.54	1129.8	1122.1	1115.6	2.14	1.99	1.48	-29.1	-37.8	-38.2	0.01		
5.8	45.14	1140.9	1133.4	1126.9	2.04	1.91	1.42	-29.3	-37.2	-38.6	0.00		
6.0	44.72	1152.0	1144.6	1138.2	1.95	1.80	1.33	-29.5	-36.8	-38.3	-0.02		
6.3	43.65	1162.7	1155.5	1149.3	1.84	1.72	1.23	-30.3	-36.8	-38.3	-0.04		
6.5	43.24	1173.5	1166.3	1160.2	1.72	1.62	1.17	-30.2	-36.2	-38.0	-0.04		
6.8	42.84	1184.0	1177.0	1170.9	1.58	1.49	1.05	-30.5	-35.6	-37.6	-0.04		
7.0	42.30	1194.5	1187.6	1181.6	1.47	1.39	0.96	-30.7	-35.0	-37.8	-0.05		