

Voltage Controlled Oscillator

ROS-EDR5810

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	25.16	967.4	965.2	964.2	2.61	2.53	1.61	-23.4	-38.5	-46.7	-0.58	1	-86
0.5	23.44	973.2	971.1	970.0	2.71	2.59	1.74	-23.7	-38.0	-46.9	-0.56	10	-108
0.8	22.38	978.8	976.7	975.6	2.80	2.69	1.86	-23.8	-37.3	-46.3	-0.58	100	-127
1.0	22.08	984.4	982.2	981.1	2.86	2.77	1.96	-23.8	-36.9	-46.1	-0.60	1000	-148
1.3	22.02	989.9	987.7	986.5	2.88	2.82	2.01	-23.8	-36.6	-45.8	-0.62		
1.5	22.38	995.5	993.3	992.0	2.95	2.83	2.00	-23.9	-35.9	-45.5	-1.88		
1.8	22.27	1001.0	998.8	997.4	2.97	2.80	2.07	-23.8	-35.1	-45.4	-0.52		
2.0	22.96	1006.8	1004.6	1003.1	3.00	2.78	2.12	-23.7	-34.8	-45.2	-0.74		
2.3	23.35	1012.6	1010.4	1008.8	3.01	2.76	2.17	-23.8	-34.2	-45.1	-0.78		
2.5	23.80	1018.5	1016.4	1014.6	3.00	2.70	2.20	-24.1	-33.6	-45.3	-0.84		
2.8	23.93	1024.5	1022.4	1020.5	2.99	2.74	2.22	-24.1	-33.3	-45.2	-0.88		
3.0	22.28	1030.2	1027.9	1026.4	2.96	2.75	2.26	-24.1	-32.9	-45.1	-0.90		
3.3	26.27	1036.9	1034.5	1032.6	2.88	2.73	2.28	-24.2	-32.6	-45.6	-1.02		
3.5	24.93	1043.1	1040.7	1038.7	2.73	2.62	2.17	-24.5	-32.1	-45.8	-1.00		
3.8	24.68	1049.2	1046.9	1044.7	2.68	2.54	2.13	-24.4	-31.7	-45.6	-1.04		
4.0	24.51	1055.4	1053.0	1050.7	2.56	2.43	2.15	-24.5	-31.6	-45.9	-1.06		
4.3	24.44	1061.5	1059.1	1056.7	2.43	2.30	2.11	-24.6	-31.4	-45.9	-1.16		
4.5	23.81	1067.5	1065.1	1062.6	2.27	2.22	2.05	-24.7	-31.0	-45.8	-1.04		
4.8	23.73	1073.6	1071.0	1068.5	2.10	2.13	1.95	-24.7	-30.6	-45.6	-1.06		
5.0	23.34	1079.5	1076.9	1074.3	1.89	1.99	1.86	-24.7	-30.1	-46.2	-1.04		
5.3	22.99	1085.4	1082.6	1080.0	1.71	1.87	1.76	-25.0	-29.8	-46.1	-1.02		
5.5	22.64	1091.0	1088.3	1085.6	1.64	1.76	1.62	-25.0	-29.6	-46.5	-1.00		
5.8	21.99	1096.6	1093.8	1090.9	1.53	1.66	1.61	-25.0	-29.3	-46.7	-1.04		
6.0	22.02	1102.0	1099.3	1096.3	1.40	1.54	1.56	-25.0	-28.9	-47.8	-0.90		
6.3	21.14	1107.4	1104.5	1101.5	1.26	1.38	1.50	-25.1	-28.6	-47.4	-0.88		
6.5	20.70	1112.7	1109.7	1106.6	1.10	1.30	1.41	-25.2	-28.3	-48.0	-0.84		
6.8	20.26	1117.8	1114.8	1111.7	1.00	1.25	1.33	-25.2	-27.9	-48.4	-0.80		
7.0	19.92	1122.9	1119.8	1116.6	0.88	1.15	1.25	-25.2	-27.9	-49.1	-0.78		