

Voltage Controlled Oscillator

ROS-EDR5590/3

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			
0.5	16.07	985.0	980.1	973.9	5.33	4.05	2.47	-21.8	-29.6	-32.8	0.00	1	-93
1.0	12.69	991.4	986.4	980.4	5.42	4.26	2.71	-21.7	-30.9	-32.3	0.02	10	-115
1.5	11.23	997.1	992.0	986.1	5.56	4.41	2.89	-21.7	-32.0	-32.0	0.03	100	-136
2.0	10.44	1002.3	997.3	991.2	5.72	4.52	3.02	-21.6	-33.0	-31.6	0.04	1000	-151
2.5	10.01	1007.3	1002.3	996.2	5.86	4.61	3.11	-21.5	-34.5	-31.5	0.04		
3.0	9.79	1012.3	1007.2	1001.0	5.97	4.70	3.19	-21.5	-34.5	-31.2	0.05		
3.5	9.73	1017.2	1012.0	1005.8	6.07	4.77	3.31	-21.4	-35.2	-30.9	0.05		
4.0	9.94	1022.2	1017.0	1010.6	6.17	4.84	3.41	-21.4	-35.6	-30.9	0.06		
4.5	10.16	1027.3	1022.1	1015.5	6.28	4.98	3.52	-21.4	-36.1	-30.5	0.07		
5.0	10.38	1032.6	1027.3	1020.7	6.38	5.11	3.62	-21.3	-36.4	-30.1	0.07		
5.5	10.80	1038.1	1032.7	1026.0	6.47	5.23	3.77	-21.3	-36.8	-29.7	0.08		
6.0	11.30	1044.0	1038.3	1031.5	6.54	5.31	3.90	-21.2	-37.7	-29.4	0.09		
6.5	11.92	1050.1	1044.3	1037.3	6.62	5.37	4.01	-21.1	-37.9	-29.2	0.10		
7.0	12.61	1056.6	1050.6	1043.5	6.66	5.43	4.05	-21.1	-38.3	-28.8	0.11		
7.5	13.33	1063.4	1057.3	1050.0	6.71	5.47	4.09	-21.1	-38.6	-28.5	0.12		
8.0	14.05	1070.5	1064.3	1056.9	6.75	5.52	4.11	-21.0	-38.7	-28.5	0.12		
8.5	14.69	1077.9	1071.6	1064.2	6.80	5.56	4.13	-20.9	-38.7	-28.2	0.11		
9.0	15.14	1085.5	1079.2	1071.7	6.83	5.60	4.12	-20.6	-39.2	-27.7	0.09		
9.5	15.48	1093.2	1086.9	1079.5	6.88	5.67	4.09	-20.5	-39.7	-27.5	0.07		
10.0	15.71	1101.0	1094.8	1087.6	6.96	5.71	4.05	-20.3	-39.9	-27.3	0.04		
10.5	15.75	1108.8	1102.7	1095.9	6.98	5.72	3.94	-20.2	-40.5	-27.1	0.01		
11.0	15.66	1116.6	1110.5	1104.5	7.00	5.72	3.71	-20.1	-41.4	-26.3	-0.02		