

Voltage Controlled Oscillator

ROS-EDR5100/1

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	17.89	1027.1	1025.0	1024.3	9.11	7.58	5.40	-30.5	-23.4	-35.9	-0.07	1	-88
1.0	14.01	1034.1	1032.1	1031.3	8.96	7.51	5.37	-31.4	-23.5	-35.8	-0.05	10	-113
1.5	12.30	1040.3	1038.2	1037.5	8.82	7.46	5.33	-31.6	-23.3	-35.9	-0.04	100	-134
2.0	11.39	1046.1	1043.9	1043.3	8.71	7.42	5.30	-31.7	-23.4	-36.3	-0.04	1000	-148
2.5	10.89	1051.6	1049.3	1048.7	8.61	7.38	5.29	-31.5	-23.6	-36.3	-0.04		
3.0	10.65	1057.0	1054.7	1053.9	8.51	7.32	5.29	-31.6	-23.8	-36.0	-0.04		
3.5	10.60	1062.5	1060.0	1059.1	8.40	7.26	5.28	-31.7	-23.8	-35.8	-0.05		
4.0	10.74	1068.0	1065.3	1064.4	8.28	7.19	5.25	-31.9	-23.7	-36.0	-0.04		
4.5	11.00	1073.7	1070.8	1069.8	8.18	7.12	5.22	-32.4	-23.6	-36.8	-0.04		
5.0	11.33	1079.4	1076.5	1075.4	8.09	7.07	5.19	-32.8	-23.7	-36.5	-0.04		
5.5	11.69	1085.4	1082.3	1081.2	8.00	7.02	5.19	-33.1	-23.8	-35.3	-0.04		
6.0	12.17	1091.6	1088.4	1087.1	7.89	6.97	5.19	-33.5	-23.9	-33.1	-0.04		
6.5	12.75	1098.2	1094.8	1093.4	7.76	6.94	5.17	-33.9	-23.8	-32.9	-0.04		
7.0	13.48	1105.2	1101.5	1100.0	7.64	6.91	5.13	-34.4	-23.8	-29.3	-0.04		
7.5	14.22	1112.6	1108.7	1107.1	7.56	6.88	5.08	-35.1	-24.0	-28.4	-0.04		
8.0	15.01	1120.2	1116.2	1114.5	7.49	6.80	5.06	-35.9	-24.2	-28.3	-0.06		
8.5	15.77	1128.1	1124.0	1122.2	7.39	6.70	5.04	-36.5	-24.1	-29.3	-0.08		
9.0	16.34	1136.5	1132.2	1130.3	7.28	6.62	5.01	-37.2	-24.4	-30.7	-0.12		
9.5	16.65	1144.9	1140.5	1138.7	7.18	6.55	4.90	-38.6	-24.6	-31.6	-0.17		
10.0	16.82	1153.3	1149.0	1147.4	7.09	6.44	4.76	-40.0	-24.6	-33.5	-0.20		
10.5	17.15	1161.9	1157.5	1156.2	6.95	6.29	4.54	-40.9	-24.7	-35.1	-0.20		
11.0	17.72	1170.5	1166.4	1165.1	6.81	6.05	4.29	-40.0	-24.6	-35.3	-0.16		
11.5	17.99	1178.9	1175.4	1174.0	6.68	5.76	4.01	-38.3	-24.2	-36.4	-0.15		
12.0	17.89	1187.2	1184.3	1182.9	6.53	5.46	3.73	-36.8	-24.0	-37.4	-0.16		