

Voltage Controlled Oscillator

ROS-EDR6008

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	15.19	1015.4	1008.9	1002.9	3.54	1.32	-0.20	-22.0	-24.9	-28.7	0.19	1	-90
1.0	12.22	1021.4	1015.0	1008.9	3.70	1.42	0.02	-21.8	-25.9	-28.3	0.28	10	-114
1.5	10.72	1026.8	1020.4	1014.3	3.80	1.57	0.17	-21.6	-26.8	-27.8	0.32	100	-134
2.0	9.92	1031.8	1025.3	1019.2	3.86	1.70	0.31	-21.4	-27.6	-27.6	0.36	1000	-154
2.5	9.53	1036.7	1030.1	1023.9	3.90	1.81	0.42	-21.3	-28.5	-27.5	0.38		
3.0	9.39	1041.4	1034.8	1028.6	3.94	1.93	0.50	-21.4	-29.1	-27.2	0.40		
3.5	9.31	1046.2	1039.4	1033.1	3.99	2.03	0.58	-21.5	-29.7	-26.8	0.42		
4.0	9.44	1051.0	1044.2	1037.8	4.06	2.13	0.66	-21.4	-30.3	-26.6	0.44		
4.5	9.67	1056.0	1049.0	1042.5	4.13	2.18	0.75	-21.2	-31.0	-26.4	0.47		
5.0	9.99	1061.2	1054.0	1047.4	4.22	2.24	0.85	-21.1	-31.6	-26.1	0.49		
5.5	10.42	1066.5	1059.2	1052.5	4.35	2.32	0.95	-20.9	-32.1	-25.4	0.51		
6.0	10.97	1072.2	1064.7	1057.8	4.46	2.41	1.06	-20.7	-32.5	-25.2	0.54		
6.5	11.60	1078.1	1070.5	1063.5	4.55	2.51	1.14	-20.4	-32.9	-24.9	0.56		
7.0	12.19	1084.4	1076.6	1069.5	4.60	2.61	1.22	-20.3	-33.2	-24.5	0.58		
7.5	12.83	1091.0	1083.0	1075.8	4.69	2.70	1.28	-20.1	-33.4	-24.2	0.59		
8.0	13.46	1097.8	1089.7	1082.4	4.77	2.78	1.37	-19.9	-33.8	-23.9	0.57		
8.5	13.98	1104.8	1096.7	1089.4	4.82	2.87	1.44	-19.7	-34.2	-23.4	0.51		
9.0	14.38	1112.0	1103.9	1096.6	4.87	2.92	1.50	-19.5	-34.4	-23.2	0.42		
9.5	14.54	1119.2	1111.2	1104.0	4.91	2.95	1.50	-19.3	-35.0	-23.0	0.31		
10.0	14.67	1126.4	1118.5	1111.6	4.99	2.99	1.49	-19.0	-35.7	-22.7	0.19		
10.5	14.63	1133.6	1125.8	1119.2	5.06	3.04	1.45	-18.6	-36.3	-22.3	0.05		
11.0	14.51	1140.7	1133.1	1127.0	5.11	3.06	1.34	-18.4	-37.1	-22.2	-0.08		