

Voltage Controlled Oscillator

ROS-EDR5591/1

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	15.93	1025.1	1018.4	1011.3	4.89	2.55	0.57	-21.7	-24.3	-29.2	0.02	1	-91
1.0	12.63	1031.4	1024.8	1017.6	5.04	2.69	0.78	-21.6	-25.6	-28.4	0.04	10	-115
1.5	11.09	1037.0	1030.3	1023.0	5.13	2.83	0.92	-21.6	-26.5	-27.8	0.06	100	-135
2.0	10.22	1042.2	1035.4	1028.1	5.20	2.93	1.03	-21.4	-27.3	-27.3	0.05	1000	-148
2.5	9.78	1047.2	1040.3	1033.0	5.25	3.01	1.12	-21.4	-28.0	-26.9	0.06		
3.0	9.58	1052.1	1045.1	1037.7	5.31	3.08	1.21	-21.3	-28.6	-26.5	0.07		
3.5	9.48	1056.9	1049.8	1042.3	5.38	3.18	1.31	-21.3	-29.4	-26.0	0.08		
4.0	9.56	1061.8	1054.6	1047.0	5.46	3.27	1.42	-21.2	-30.1	-25.7	0.08		
4.5	9.75	1066.8	1059.5	1051.8	5.54	3.37	1.53	-21.3	-30.8	-25.5	0.09		
5.0	10.03	1072.0	1064.5	1056.7	5.61	3.46	1.62	-21.2	-31.3	-25.2	0.09		
5.5	10.41	1077.4	1069.7	1061.8	5.70	3.55	1.72	-21.0	-31.8	-24.8	0.10		
6.0	10.88	1083.0	1075.2	1067.1	5.76	3.62	1.80	-20.9	-32.2	-24.2	0.11		
6.5	11.35	1088.8	1080.8	1072.7	5.81	3.69	1.87	-20.8	-32.6	-23.7	0.12		
7.0	11.95	1095.0	1086.8	1078.5	5.83	3.72	1.89	-20.6	-33.0	-23.4	0.12		
7.5	12.57	1101.4	1093.1	1084.7	5.89	3.79	1.95	-20.4	-33.2	-23.2	0.12		
8.0	13.17	1108.1	1099.7	1091.1	5.94	3.86	2.02	-20.2	-33.6	-22.8	0.12		
8.5	13.70	1115.0	1106.5	1097.9	6.00	3.92	2.07	-20.1	-33.9	-22.5	0.11		
9.0	14.07	1122.0	1113.6	1105.0	6.03	3.98	2.11	-20.0	-34.4	-21.9	0.09		
9.5	14.43	1129.1	1120.8	1112.3	6.06	4.01	2.14	-19.8	-34.7	-21.7	0.07		
10.0	14.64	1136.3	1128.1	1119.8	6.10	4.04	2.14	-19.6	-35.4	-21.8	0.04		
10.5	14.72	1143.5	1135.4	1127.4	6.13	4.06	2.10	-19.3	-36.0	-20.9	0.00		
11.0	14.74	1150.6	1142.8	1135.3	6.12	4.04	1.99	-19.2	-36.6	-20.6	-0.03		
11.5	14.54	1157.7	1150.1	1143.2	6.13	4.01	1.84	-19.1	-37.3	-20.4	-0.07		
12.0	14.41	1164.7	1157.3	1151.1	6.13	3.98	1.65	-18.9	-38.1	-20.2	-0.11		