

Voltage Controlled Oscillator

ROS-EDR4911/1

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	16.64	869.8	866.4	864.1	3.50	2.68	1.06	-30.8	-47.8	-46.6	0.13	1	-86
1.0	13.06	876.2	872.9	870.8	3.57	2.73	1.15	-30.9	-49.1	-46.4	0.13	10	-111
1.5	11.52	881.7	878.7	876.6	3.61	2.75	1.20	-31.0	-51.6	-46.2	0.19	100	-134
2.0	10.75	887.0	884.0	882.0	3.63	2.75	1.23	-31.1	-51.3	-45.2	0.26	1000	-151
2.5	10.24	892.0	889.2	887.3	3.65	2.73	1.25	-31.0	-52.3	-46.2	0.19		
3.0	10.24	897.0	894.3	892.5	3.64	2.70	1.24	-31.0	-52.5	-45.4	0.26		
3.5	10.11	902.1	899.3	897.6	3.63	2.66	1.22	-31.0	-53.2	-45.3	0.19		
4.0	10.24	907.2	904.4	902.8	3.63	2.61	1.18	-30.8	-54.2	-44.4	0.19		
4.5	10.62	912.5	909.8	908.1	3.61	2.57	1.14	-30.8	-54.9	-43.3	0.26		
5.0	10.88	918.0	915.2	913.7	3.57	2.52	1.09	-30.8	-52.4	-42.7	0.26		
5.5	11.39	923.6	920.9	919.4	3.49	2.46	1.03	-30.9	-53.6	-41.8	0.19		
6.0	12.03	929.6	926.9	925.4	3.39	2.39	0.95	-30.7	-54.3	-41.5	0.26		
6.5	12.67	935.8	933.2	931.8	3.28	2.34	0.87	-30.6	-53.7	-41.1	0.26		
7.0	13.31	942.4	939.9	938.6	3.15	2.26	0.77	-30.5	-54.5	-40.3	0.26		
7.5	13.95	949.4	946.9	945.7	3.05	2.22	0.66	-30.5	-55.0	-39.2	0.19		
8.0	14.85	956.8	954.3	953.3	2.96	2.14	0.52	-30.4	-54.1	-37.6	0.13		
8.5	15.49	964.5	962.0	961.3	2.84	2.03	0.34	-30.4	-56.9	-36.7	0.06		
9.0	16.38	972.5	970.2	969.8	2.70	1.89	0.11	-30.4	-54.2	-37.1	0.06		
9.5	17.15	980.7	978.8	978.5	2.54	1.71	-0.15	-30.4	-55.1	-35.9	0.06		
10.0	17.66	989.1	987.6	987.5	2.33	1.50	-0.44	-30.8	-53.5	-35.8	0.00		
10.5	18.18	997.7	996.7	996.6	2.02	1.23	-0.74	-31.2	-52.6	-36.4	0.06		
11.0	18.18	1006.3	1005.8	1005.8	1.73	0.90	-1.03	-31.7	-52.8	-37.0	0.06		
11.5	18.43	1015.2	1015.0	1014.9	1.48	0.57	-1.30	-32.4	-51.7	-37.7	0.06		
12.0	18.18	1024.2	1024.1	1023.9	1.25	0.26	-1.54	-32.9	-54.0	-37.3	0.06		
12.5	17.79	1033.1	1033.0	1032.8	1.02	-0.01	-1.79	-33.5	-52.7	-35.9	0.06		
13.0	17.54	1041.9	1041.8	1041.5	0.76	-0.27	-2.05	-33.9	-52.4	-36.0	0.13		
13.5	16.90	1050.4	1050.2	1049.9	0.46	-0.52	-2.32	-34.3	-49.4	-36.4	0.13		
14.0	16.38	1058.7	1058.4	1057.9	0.12	-0.76	-2.60	-34.7	-48.3	-34.6	0.13		
14.5	15.74	1066.7	1066.3	1065.6	-0.21	-1.00	-2.85	-35.2	-46.3	-35.3	0.19		
15.0	15.23	1074.4	1073.9	1073.0	-0.51	-1.24	-3.09	-35.9	-47.0	-35.4	0.19		