

Voltage Controlled Oscillator

ROS-EDR6642/1

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			
0.3	11.78	460.3	458.3	455.3	-1.34	-0.58	-0.68	-20.1	-32.5	-40.7	0.13	1	-92
0.5	11.21	463.3	461.2	458.2	-1.25	-0.50	-0.61	-20.3	-32.3	-41.3	0.18	10	-115
0.8	10.90	466.1	464.0	461.0	-1.18	-0.43	-0.55	-20.6	-32.2	-41.9	0.21	100	-135
1.0	10.77	468.8	466.7	463.8	-1.10	-0.35	-0.48	-20.7	-32.2	-42.5	0.24	1000	-150
1.3	10.72	471.5	469.4	466.4	-1.03	-0.28	-0.43	-20.7	-32.1	-43.2	0.25		
1.5	10.73	474.3	472.1	469.1	-0.97	-0.22	-0.37	-20.7	-31.8	-43.8	0.27		
1.8	10.82	477.0	474.7	471.7	-0.92	-0.17	-0.32	-20.8	-31.6	-44.3	0.28		
2.0	10.86	479.7	477.4	474.4	-0.87	-0.11	-0.28	-21.0	-31.4	-45.3	0.29		
2.3	10.96	482.5	480.1	477.1	-0.84	-0.07	-0.26	-21.2	-31.2	-46.0	0.29		
2.5	11.06	485.3	482.8	479.8	-0.81	-0.04	-0.24	-21.3	-31.0	-46.4	0.29		
2.8	11.06	488.1	485.6	482.5	-0.80	-0.01	-0.23	-21.3	-30.9	-46.9	0.28		
3.0	11.08	490.9	488.3	485.3	-0.81	-0.01	-0.24	-21.3	-30.8	-47.2	0.27		
3.3	11.08	493.7	491.1	488.1	-0.83	-0.01	-0.26	-21.3	-30.8	-47.0	0.26		
3.5	11.03	496.5	493.8	490.9	-0.87	-0.03	-0.30	-21.3	-30.6	-46.7	0.24		
3.8	10.98	499.2	496.5	493.6	-0.93	-0.04	-0.35	-21.5	-30.3	-46.2	0.22		
4.0	10.88	502.0	499.2	496.4	-0.98	-0.07	-0.39	-21.7	-30.3	-45.6	0.20		
4.3	10.78	504.6	501.8	499.1	-1.05	-0.08	-0.42	-21.8	-30.5	-44.9	0.17		
4.5	10.64	507.3	504.4	501.8	-1.11	-0.11	-0.46	-21.8	-30.7	-44.2	0.14		
4.8	10.46	510.0	506.9	504.5	-1.20	-0.17	-0.51	-21.8	-30.7	-43.6	0.09		
5.0	10.28	512.6	509.4	507.1	-1.28	-0.22	-0.56	-21.9	-30.7	-43.0	0.03		
5.3	10.04	515.1	511.9	509.6	-1.36	-0.29	-0.61	-22.1	-30.8	-42.3	-0.04		
5.5	9.84	517.7	514.3	512.1	-1.44	-0.35	-0.66	-22.3	-31.0	-42.0	-0.11		
5.8	9.57	520.2	516.7	514.5	-1.50	-0.42	-0.71	-22.4	-31.1	-41.8	-0.17		
6.0	9.34	522.6	519.0	516.9	-1.58	-0.50	-0.76	-22.5	-31.1	-41.6	-0.22		
6.3	9.10	524.9	521.3	519.2	-1.64	-0.58	-0.80	-22.5	-31.1	-41.3	-0.26		
6.5	8.86	527.2	523.6	521.4	-1.70	-0.66	-0.86	-22.4	-31.2	-41.1	-0.27		
6.8	8.65	529.5	525.8	523.6	-1.76	-0.73	-0.90	-22.3	-31.2	-41.1	-0.27		
7.0	8.65	531.7	527.9	525.7	-1.80	-0.81	-0.95	-22.4	-31.3	-41.0	-0.26		