

Voltage Controlled Oscillator

ROS-ED10245/1

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			
0.2	8.87	461.7	460.3	458.9	-5.68	-5.17	-5.17	-24.5	-30.1	-25.4	0.04	1	-93
0.4	8.32	463.3	461.9	460.6	-5.64	-5.13	-5.13	-24.7	-30.0	-24.5	0.02	10	-116
0.6	8.08	464.9	463.6	462.2	-5.60	-5.10	-5.09	-25.2	-29.4	-23.4	0.01	100	-136
0.8	8.09	466.6	465.2	463.8	-5.53	-5.06	-5.07	-25.8	-28.9	-22.6	0.01	1000	-154
1.0	8.15	468.2	466.8	465.5	-5.51	-5.03	-5.04	-26.5	-28.3	-22.0	0.00		
1.2	8.44	469.9	468.5	467.1	-5.49	-5.02	-5.02	-27.0	-27.8	-22.0	0.02		
1.4	8.80	471.7	470.2	468.9	-5.47	-5.01	-5.01	-27.6	-27.8	-22.1	0.02		
1.6	9.13	473.6	472.1	470.7	-5.48	-5.00	-5.00	-28.3	-27.4	-22.7	0.02		
1.8	9.45	475.5	474.0	472.5	-5.46	-5.00	-4.99	-28.9	-27.1	-23.4	0.02		
2.0	9.83	477.5	475.9	474.5	-5.45	-4.99	-4.98	-29.8	-27.1	-24.4	0.04		
2.2	10.02	479.5	477.9	476.5	-5.43	-4.98	-4.97	-30.8	-26.8	-25.0	0.06		
2.4	10.10	481.5	480.0	478.5	-5.40	-4.96	-4.95	-31.1	-26.5	-25.7	0.10		
2.6	10.19	483.5	482.0	480.5	-5.38	-4.94	-4.92	-31.6	-26.5	-26.4	0.14		
2.8	10.22	485.6	484.0	482.5	-5.38	-4.92	-4.90	-32.8	-26.4	-26.9	0.19		
3.0	10.16	487.6	486.1	484.6	-5.36	-4.91	-4.89	-33.3	-25.9	-27.9	0.23		
3.2	9.89	489.6	488.0	486.5	-5.35	-4.90	-4.87	-33.9	-25.3	-28.2	0.26		
3.4	9.60	491.5	490.0	488.5	-5.35	-4.89	-4.86	-33.6	-25.4	-28.8	0.31		
3.6	9.19	493.3	491.8	490.3	-5.32	-4.88	-4.85	-33.8	-24.9	-29.4	0.35		
3.8	8.71	495.0	493.5	492.1	-5.31	-4.86	-4.84	-34.8	-24.7	-30.0	0.37		
4.0	8.13	496.6	495.2	493.8	-5.31	-4.85	-4.81	-33.9	-24.2	-30.5	0.40		
4.2	7.59	498.1	496.7	495.3	-5.27	-4.84	-4.80	-34.5	-23.9	-30.9	0.42		
4.4	6.95	499.4	498.1	496.7	-5.26	-4.81	-4.79	-33.9	-23.6	-30.7	0.43		
4.6	6.32	500.7	499.3	498.0	-5.24	-4.80	-4.77	-34.1	-23.4	-31.2	0.44		
4.8	5.72	501.8	500.5	499.2	-5.23	-4.79	-4.76	-33.5	-23.2	-31.0	0.42		
5.0	5.08	502.8	501.5	500.2	-5.20	-4.78	-4.75	-33.8	-22.7	-31.3	0.41		
5.2	4.53	503.7	502.4	501.1	-5.19	-4.76	-4.74	-33.1	-22.7	-31.6	0.39		
5.4	3.95	504.4	503.2	501.9	-5.18	-4.74	-4.73	-33.3	-22.2	-31.7	0.33		
5.6	3.43	505.1	503.9	502.6	-5.17	-4.73	-4.70	-33.3	-22.4	-32.5	0.30		
5.8	2.98	505.7	504.5	503.2	-5.16	-4.72	-4.70	-33.4	-22.2	-31.8	0.25		
6.0	2.57	506.2	505.0	503.7	-5.15	-4.72	-4.69	-33.1	-21.9	-32.8	0.20		
6.2	2.17	506.6	505.4	504.2	-5.14	-4.71	-4.69	-33.1	-21.9	-32.3	0.15		
6.4	1.84	507.0	505.8	504.6	-5.13	-4.70	-4.68	-33.4	-21.8	-32.6	0.09		
6.6	1.57	507.3	506.1	504.9	-5.13	-4.70	-4.68	-33.2	-21.8	-33.3	0.06		
6.8	1.35	507.6	506.4	505.1	-5.11	-4.70	-4.68	-33.2	-21.6	-33.0	0.04		
7.0	1.18	507.8	506.6	505.4	-5.11	-4.70	-4.68	-32.2	-21.6	-32.8	0.00		
7.2	0.98	508.0	506.8	505.6	-5.10	-4.69	-4.67	-32.7	-21.5	-33.0	0.03		
7.4	0.90	508.2	507.0	505.8	-5.11	-4.69	-4.67	-33.4	-21.6	-33.2	0.04		
7.6	0.79	508.3	507.1	505.9	-5.10	-4.69	-4.67	-32.7	-21.3	-33.3	0.05		
7.8	0.68	508.4	507.3	506.1	-5.10	-4.69	-4.67	-32.8	-21.3	-33.6	0.05		
8.0	0.65	508.6	507.4	506.2	-5.10	-4.69	-4.67	-32.7	-21.3	-33.7	0.06		