

Voltage Controlled Oscillator

ROS-ED9815/1

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	12.56	636.2	634.3	632.1	-0.72	-0.10	0.18	-23.0	-38.4	-37.8	0.21	1	-92
0.4	12.96	638.9	636.9	634.7	-0.70	-0.07	0.19	-23.4	-38.2	-37.5	0.21	10	-116
0.6	13.56	641.7	639.6	637.3	-0.67	-0.05	0.22	-24.0	-38.0	-37.2	0.21	100	-136
0.8	14.12	644.6	642.4	640.1	-0.64	-0.02	0.24	-24.5	-37.8	-37.2	0.18	1000	-154
1.0	14.48	647.6	645.3	642.9	-0.59	0.01	0.27	-25.0	-37.6	-37.0	0.16		
1.2	14.96	650.6	648.3	645.8	-0.53	0.06	0.32	-25.6	-37.5	-37.0	0.14		
1.4	15.25	653.7	651.3	648.8	-0.47	0.13	0.36	-26.2	-37.5	-36.8	0.08		
1.6	15.38	656.8	654.4	651.9	-0.39	0.19	0.43	-26.9	-37.3	-36.5	0.05		
1.8	15.40	659.9	657.5	655.0	-0.31	0.27	0.49	-27.5	-36.9	-36.6	0.00		
2.0	15.40	663.0	660.6	658.0	-0.22	0.35	0.57	-28.4	-36.6	-36.4	0.05		
2.2	15.28	666.1	663.6	661.1	-0.13	0.44	0.65	-29.1	-36.4	-36.4	0.10		
2.4	14.95	669.1	666.6	664.1	-0.04	0.53	0.74	-29.9	-36.0	-36.5	0.16		
2.6	14.72	672.0	669.6	667.0	0.04	0.62	0.82	-30.8	-35.6	-36.5	0.23		
2.8	14.30	674.9	672.4	669.9	0.12	0.69	0.90	-31.6	-35.1	-36.4	0.27		
3.0	13.77	677.6	675.2	672.7	0.20	0.77	0.98	-32.7	-35.1	-36.3	0.36		
3.2	13.05	680.2	677.8	675.3	0.27	0.84	1.04	-33.8	-34.9	-36.4	0.42		
3.4	12.23	682.6	680.2	677.8	0.33	0.90	1.10	-34.7	-34.4	-36.3	0.52		
3.6	11.38	684.8	682.5	680.1	0.38	0.95	1.16	-35.9	-34.2	-36.5	0.55		
3.8	10.36	686.8	684.6	682.2	0.41	0.99	1.19	-37.2	-34.0	-36.3	0.59		
4.0	9.36	688.7	686.5	684.1	0.46	1.03	1.24	-38.4	-33.7	-36.2	0.61		
4.2	8.32	690.3	688.1	685.8	0.49	1.06	1.26	-39.6	-33.5	-36.2	0.61		
4.4	7.26	691.7	689.6	687.3	0.51	1.09	1.28	-40.9	-33.3	-36.1	0.55		
4.6	6.26	692.9	690.8	688.5	0.54	1.10	1.31	-42.4	-33.2	-36.1	0.47		
4.8	5.35	693.9	691.9	689.6	0.55	1.12	1.32	-43.1	-33.0	-36.2	0.38		
5.0	4.52	694.8	692.8	690.6	0.56	1.14	1.33	-43.8	-33.0	-36.3	0.27		
5.2	3.74	695.5	693.6	691.3	0.57	1.14	1.34	-45.3	-32.9	-36.3	0.18		
5.4	3.04	696.1	694.2	691.9	0.57	1.15	1.34	-46.4	-32.8	-36.4	0.05		
5.6	2.53	696.6	694.7	692.5	0.57	1.15	1.34	-46.8	-32.7	-36.6	0.03		
5.8	2.03	697.0	695.1	692.9	0.58	1.15	1.36	-47.7	-32.8	-36.3	0.11		
6.0	1.67	697.3	695.4	693.2	0.58	1.15	1.36	-48.9	-32.7	-36.5	0.20		
6.2	1.41	697.6	695.7	693.5	0.59	1.16	1.36	-48.2	-32.6	-36.5	0.24		
6.4	1.16	697.8	695.9	693.8	0.59	1.16	1.36	-49.0	-32.7	-36.7	0.29		
6.6	0.99	698.0	696.1	694.0	0.60	1.16	1.36	-49.4	-32.6	-36.6	0.31		
6.8	0.86	698.1	696.3	694.2	0.60	1.16	1.36	-49.8	-32.7	-36.6	0.33		
7.0	0.78	698.3	696.4	694.3	0.60	1.16	1.37	-50.2	-32.7	-36.7	0.34		
7.2	0.66	698.4	696.6	694.5	0.60	1.17	1.36	-50.1	-32.7	-36.6	0.36		
7.4	0.64	698.5	696.7	694.6	0.60	1.16	1.37	-50.6	-32.6	-36.6	0.37		
7.6	0.54	698.6	696.8	694.7	0.60	1.17	1.37	-50.4	-32.7	-36.6	0.37		
7.8	0.53	698.7	696.9	694.8	0.60	1.17	1.37	-51.2	-32.5	-36.6	0.39		
8.0	0.45	698.8	697.0	694.9	0.61	1.17	1.37	-51.8	-32.6	-36.6	0.38		