

Voltage Controlled Oscillator

ROS-ED9734/1

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	37.06	619.3	615.4	611.9	11.08	10.59	9.66	-21.2	-31.1	-38.1	1.19	1	-80
0.4	34.00	625.9	622.2	618.9	11.17	10.55	9.60	-20.9	-31.9	-38.5	1.00	10	-106
0.6	32.86	632.2	628.8	625.6	11.17	10.39	9.49	-20.8	-33.3	-38.9	0.91	100	-128
0.8	32.71	638.6	635.3	632.0	10.98	10.21	9.38	-21.0	-34.7	-38.5	0.92	1000	-148
1.0	32.46	645.2	641.8	638.3	10.68	10.04	9.28	-21.1	-35.7	-37.8	0.99		
1.2	32.84	652.1	648.4	644.7	10.36	9.92	9.24	-21.5	-36.7	-37.0	1.03		
1.4	33.13	659.0	655.0	651.1	10.10	9.85	9.22	-21.7	-36.8	-35.5	1.09		
1.6	33.57	665.9	661.7	657.6	9.93	9.66	9.24	-22.3	-36.4	-34.5	1.14		
1.8	33.79	672.7	668.5	664.2	9.80	9.60	9.29	-22.8	-36.0	-34.0	1.21		
2.0	34.11	679.6	675.3	670.9	9.69	9.79	9.34	-23.4	-35.5	-33.9	1.31		
2.2	34.29	686.4	682.2	677.6	9.58	9.77	9.37	-24.2	-35.0	-34.1	1.40		
2.4	34.01	693.2	689.0	684.3	9.47	9.73	9.37	-24.7	-34.8	-34.3	1.49		
2.6	33.81	699.9	695.7	691.0	9.36	9.66	9.34	-25.2	-34.5	-34.9	1.62		
2.8	33.15	706.5	702.4	697.7	9.27	9.59	9.30	-25.6	-34.5	-35.8	1.69		
3.0	32.28	712.8	708.8	704.1	9.23	9.54	9.26	-26.1	-34.5	-36.8	1.78		
3.2	31.00	719.0	715.0	710.3	9.23	9.54	9.24	-26.5	-34.8	-37.7	1.82		
3.4	29.78	724.9	721.0	716.2	9.26	9.55	9.25	-26.8	-35.1	-39.5	1.84		
3.6	28.11	730.5	726.6	721.8	9.28	9.59	9.28	-26.9	-35.6	-41.2	1.80		
3.8	26.31	735.7	731.9	727.1	9.30	9.60	9.32	-27.4	-35.7	-43.2	1.73		
4.0	24.17	740.5	736.7	731.9	9.31	9.61	9.33	-27.5	-36.2	-44.3	1.68		
4.2	22.14	744.9	741.1	736.3	9.31	9.62	9.35	-27.7	-36.5	-45.6	1.59		
4.4	19.96	748.9	745.1	740.2	9.30	9.61	9.36	-27.9	-36.9	-46.3	1.48		
4.6	17.66	752.4	748.7	743.7	9.27	9.61	9.36	-28.1	-37.2	-47.6	1.38		
4.8	15.64	755.5	751.8	746.8	9.27	9.58	9.34	-28.2	-36.8	-47.0	1.29		
5.0	13.60	758.2	754.5	749.5	9.27	9.58	9.34	-28.3	-37.5	-46.1	1.18		
5.2	11.65	760.5	756.8	751.8	9.26	9.56	9.32	-28.5	-37.9	-45.4	1.05		
5.4	9.90	762.5	758.8	753.7	9.24	9.57	9.33	-28.4	-37.9	-45.4	0.96		
5.6	8.35	764.1	760.5	755.4	9.25	9.55	9.31	-28.7	-38.1	-44.3	0.86		
5.8	7.00	765.5	761.9	756.7	9.24	9.54	9.30	-28.7	-37.9	-43.6	0.74		
6.0	5.79	766.6	763.0	757.9	9.24	9.56	9.31	-28.8	-37.9	-43.5	0.65		
6.2	4.79	767.6	764.0	758.8	9.25	9.55	9.30	-28.9	-37.8	-43.8	0.58		
6.4	4.01	768.4	764.8	759.6	9.25	9.55	9.30	-28.9	-37.8	-43.1	0.51		
6.6	3.35	769.0	765.5	760.3	9.24	9.54	9.29	-29.0	-37.7	-42.8	0.46		
6.8	2.85	769.6	766.0	760.8	9.25	9.54	9.29	-28.9	-37.8	-43.2	0.42		
7.0	2.49	770.1	766.5	761.3	9.24	9.54	9.28	-29.0	-38.3	-43.0	0.40		
7.2	2.16	770.5	767.0	761.8	9.24	9.54	9.28	-29.0	-37.7	-42.5	0.36		
7.4	1.90	770.8	767.4	762.1	9.24	9.53	9.28	-29.0	-38.0	-42.6	0.36		
7.6	1.69	771.2	767.7	762.5	9.25	9.55	9.28	-29.1	-38.2	-42.9	0.34		
7.8	1.51	771.5	768.0	762.8	9.25	9.55	9.29	-29.0	-37.6	-42.9	0.34		
8.0	1.40	771.7	768.3	763.1	9.25	9.55	9.29	-29.2	-38.0	-43.0	0.32		