

Voltage Controlled Oscillator

ROS-ED9968/1

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			
0.1	15.46	700.9	699.5	697.3	1.37	0.88	-0.44	-34.3	-45.0	-49.1	0.23	1	-90
0.3	14.81	702.7	701.4	699.2	1.32	0.87	-0.50	-34.3	-44.9	-49.3	0.23	10	-113
0.4	14.43	704.5	703.2	701.0	1.31	0.83	-0.44	-34.8	-44.5	-48.7	0.22	100	-133
0.5	14.15	706.3	704.9	702.8	1.29	0.82	-0.42	-34.5	-45.0	-48.5	0.22	1000	-147
0.6	13.94	708.1	706.7	704.6	1.26	0.81	-0.38	-34.6	-44.7	-47.0	0.22		
0.8	13.81	709.8	708.4	706.3	1.25	0.79	-0.34	-34.2	-45.0	-48.0	0.22		
0.9	13.81	711.6	710.1	708.1	1.24	0.78	-0.32	-34.1	-45.0	-47.9	0.23		
1.0	13.86	713.4	711.9	709.8	1.28	0.78	-0.29	-34.6	-44.5	-46.9	0.22		
1.1	14.23	715.1	713.7	711.6	1.26	0.82	-0.26	-34.5	-44.8	-44.2	0.23		
1.3	14.00	716.9	715.4	713.3	1.25	0.81	-0.19	-34.2	-44.2	-45.6	0.23		
1.4	14.18	718.7	717.2	715.1	1.20	0.80	-0.17	-34.4	-45.0	-46.2	0.25		
1.5	14.14	720.5	718.9	716.8	1.18	0.76	-0.17	-34.5	-44.5	-46.4	0.27		
1.6	14.21	722.3	720.7	718.6	1.15	0.74	-0.19	-34.3	-44.3	-46.1	0.29		
1.8	14.34	724.1	722.5	720.4	1.15	0.74	-0.19	-34.1	-44.5	-45.7	0.32		
1.9	14.27	725.9	724.3	722.2	1.12	0.71	-0.20	-34.4	-43.9	-45.5	0.34		
2.0	14.48	727.7	726.1	724.0	1.15	0.68	-0.19	-34.3	-44.5	-44.9	0.36		
2.1	14.34	729.5	727.9	725.8	1.11	0.71	-0.21	-34.2	-44.6	-44.0	0.40		
2.3	14.26	731.3	729.7	727.6	1.08	0.67	-0.18	-34.6	-44.2	-44.8	0.42		
2.4	14.34	733.1	731.5	729.4	1.07	0.63	-0.21	-34.1	-44.3	-44.7	0.43		
2.5	14.28	734.8	733.3	731.2	1.03	0.62	-0.24	-34.2	-44.3	-44.5	0.47		
2.6	14.18	736.6	735.0	733.0	0.98	0.57	-0.26	-34.4	-44.1	-44.0	0.49		
2.8	14.04	738.3	736.8	734.7	1.00	0.51	-0.30	-34.3	-45.2	-43.8	0.50		
2.9	14.01	740.1	738.5	736.5	0.96	0.52	-0.36	-34.3	-44.0	-43.3	0.54		
3.0	13.75	741.8	740.3	738.3	0.91	0.46	-0.35	-34.4	-45.0	-45.0	0.54		
3.1	13.63	743.4	742.0	740.0	0.94	0.40	-0.40	-34.3	-45.0	-43.6	0.58		
3.3	13.53	745.1	743.7	741.7	0.91	0.42	-0.46	-34.5	-43.8	-43.2	0.58		
3.4	13.16	746.7	745.3	743.3	0.87	0.36	-0.44	-34.6	-44.2	-43.5	0.58		
3.5	12.98	748.3	746.9	745.0	0.90	0.30	-0.50	-34.4	-45.8	-43.9	0.59		
3.6	12.65	749.8	748.5	746.6	0.86	0.32	-0.56	-34.8	-46.0	-44.8	0.60		
3.8	12.50	751.3	750.1	748.2	0.83	0.26	-0.54	-34.3	-45.0	-43.7	0.60		
3.9	12.30	752.8	751.6	749.7	0.85	0.21	-0.59	-34.4	-45.9	-44.5	0.62		
4.0	12.07	754.3	753.1	751.2	0.83	0.20	-0.64	-34.5	-44.9	-42.8	0.62		
4.1	11.78	755.7	754.6	752.7	0.80	0.15	-0.64	-34.5	-45.6	-44.2	0.60		
4.3	11.44	757.1	756.0	754.1	0.77	0.10	-0.69	-35.0	-45.6	-44.3	0.60		
4.4	11.12	758.4	757.4	755.5	0.81	0.05	-0.74	-34.6	-45.8	-43.7	0.60		
4.5	10.86	759.7	758.8	756.9	0.79	0.07	-0.78	-34.4	-44.7	-43.1	0.60		
4.6	10.57	761.0	760.1	758.3	0.76	0.02	-0.75	-34.8	-45.3	-43.8	0.58		
4.8	10.22	762.2	761.4	759.5	0.73	-0.02	-0.79	-34.6	-44.1	-43.6	0.56		
4.9	9.92	763.4	762.6	760.8	0.74	-0.03	-0.83	-34.1	-44.8	-43.9	0.56		
5.0	9.70	764.5	763.8	762.0	0.71	-0.06	-0.86	-34.0	-44.4	-43.2	0.54		