

Voltage Controlled Oscillator

ROS-ED10614/1

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	24.29	661.8	659.5	657.2	1.37	0.49	-0.74	-27.9	-40.1	-49.6	1.14	1	-89
0.3	23.09	665.1	663.0	660.5	1.32	0.51	-0.73	-27.4	-40.1	-49.6	0.98	10	-115
0.5	20.32	668.1	666.0	663.7	1.28	0.52	-0.74	-27.0	-40.4	-48.1	0.84	100	-136
0.6	18.83	670.9	668.9	666.6	1.26	0.52	-0.72	-27.0	-40.1	-47.2	0.79	1000	-153
0.8	18.41	673.7	671.6	669.3	1.23	0.51	-0.71	-26.8	-40.4	-48.4	0.76		
0.9	18.07	676.3	674.3	672.0	1.20	0.50	-0.72	-26.8	-40.3	-47.8	0.73		
1.1	17.95	679.0	677.0	674.7	1.17	0.47	-0.74	-26.6	-40.9	-47.0	0.71		
1.2	17.95	681.7	679.7	677.4	1.13	0.45	-0.76	-26.6	-40.5	-47.7	0.70		
1.4	17.98	684.3	682.4	680.1	1.09	0.42	-0.79	-26.5	-40.5	-47.4	0.72		
1.5	18.03	687.0	685.1	682.8	1.04	0.38	-0.82	-26.4	-40.5	-48.3	0.72		
1.7	18.15	689.7	687.8	685.6	0.98	0.35	-0.86	-26.3	-40.5	-47.8	0.75		
1.8	18.05	692.3	690.5	688.3	0.92	0.30	-0.90	-26.3	-41.4	-46.4	0.80		
2.0	18.27	695.0	693.3	691.1	0.86	0.26	-0.95	-26.2	-41.1	-47.2	0.84		
2.1	18.43	697.8	696.0	693.9	0.78	0.20	-1.00	-26.0	-41.4	-47.0	0.92		
2.3	18.31	700.5	698.8	696.7	0.70	0.16	-1.05	-25.9	-41.9	-46.6	1.01		
2.4	18.37	703.3	701.6	699.6	0.62	0.10	-1.10	-25.7	-42.0	-46.0	1.11		
2.6	18.37	706.0	704.3	702.4	0.55	0.05	-1.15	-25.6	-41.7	-46.6	1.22		
2.7	18.02	708.8	707.0	705.2	0.46	0.00	-1.19	-25.6	-42.7	-45.3	1.33		
2.9	18.02	711.5	709.7	707.9	0.39	-0.05	-1.23	-25.7	-42.2	-45.9	1.47		
3.0	17.78	714.2	712.4	710.7	0.32	-0.10	-1.26	-25.7	-43.1	-45.1	1.60		
3.2	17.35	716.8	715.0	713.3	0.26	-0.15	-1.29	-25.7	-41.9	-43.8	1.71		
3.3	17.12	719.4	717.6	715.9	0.20	-0.20	-1.31	-25.8	-42.6	-43.5	1.82		
3.5	16.45	721.9	720.0	718.4	0.15	-0.24	-1.34	-25.8	-42.7	-43.4	1.89		
3.6	15.86	724.3	722.4	720.7	0.10	-0.28	-1.35	-25.9	-43.0	-43.2	1.94		
3.8	15.19	726.6	724.7	723.0	0.05	-0.33	-1.36	-25.7	-42.7	-42.7	1.95		
3.9	14.29	728.7	726.8	725.1	0.00	-0.37	-1.38	-25.9	-42.7	-42.0	1.93		
4.1	13.45	730.7	728.8	727.1	-0.05	-0.42	-1.40	-26.0	-42.9	-40.9	1.87		
4.2	12.55	732.6	730.7	728.9	-0.08	-0.46	-1.43	-26.0	-42.3	-40.9	1.79		
4.4	11.47	734.3	732.4	730.6	-0.12	-0.50	-1.45	-26.0	-42.3	-40.5	1.69		
4.5	10.58	735.8	734.0	732.2	-0.16	-0.53	-1.48	-26.0	-42.7	-39.9	1.59		
4.7	9.71	737.2	735.5	733.6	-0.19	-0.57	-1.49	-26.0	-43.2	-39.8	1.44		
4.8	8.60	738.5	736.8	734.9	-0.20	-0.60	-1.52	-26.0	-42.9	-39.2	1.32		
5.0	7.79	739.6	737.9	736.0	-0.23	-0.62	-1.54	-26.1	-42.4	-39.8	1.16		
5.1	6.93	740.6	739.0	737.0	-0.26	-0.64	-1.56	-26.0	-42.3	-39.0	1.01		
5.3	6.05	741.4	739.9	737.9	-0.28	-0.67	-1.57	-26.1	-43.6	-38.6	0.89		
5.4	5.41	742.2	740.7	738.7	-0.29	-0.69	-1.58	-26.1	-43.0	-38.7	0.74		
5.6	4.75	742.9	741.4	739.4	-0.29	-0.72	-1.61	-26.0	-42.9	-38.7	0.63		
5.7	4.21	743.5	742.0	740.0	-0.31	-0.74	-1.62	-26.1	-41.8	-38.8	0.52		
5.9	3.71	744.0	742.6	740.6	-0.32	-0.74	-1.64	-25.9	-43.0	-38.5	0.44		
6.0	3.25	744.5	743.1	741.1	-0.33	-0.75	-1.65	-25.9	-43.4	-38.3	0.36		