

Voltage Controlled Oscillator

ROS-ED9937/1

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	30.57	355.7	353.5	351.6	6.55	6.14	5.23	-19.9	-41.2	-37.0	0.95	1	-86
0.3	30.53	360.4	358.1	356.0	6.74	6.39	5.58	-21.7	-39.8	-35.0	0.97	10	-110
0.5	29.10	365.0	362.4	360.2	6.78	6.52	5.79	-23.8	-37.5	-36.4	0.81	100	-130
0.6	28.07	369.4	366.6	364.3	6.71	6.54	5.88	-25.0	-36.7	-36.2	0.69	1000	-150
0.8	26.85	373.5	370.7	368.3	6.56	6.46	5.87	-25.1	-37.9	-34.3	0.59		
0.9	25.48	377.4	374.5	372.1	6.40	6.34	5.77	-24.2	-39.0	-35.1	0.54		
1.1	24.93	381.2	378.2	375.8	6.31	6.26	5.67	-23.1	-38.2	-35.8	0.48		
1.2	24.29	385.0	381.9	379.3	6.27	6.16	5.61	-22.9	-37.0	-34.7	0.46		
1.4	23.57	388.6	385.4	382.8	6.29	6.15	5.60	-23.5	-37.2	-33.2	0.44		
1.5	23.03	392.2	388.9	386.1	6.34	6.21	5.60	-24.6	-38.3	-34.0	0.43		
1.7	22.60	395.7	392.3	389.4	6.51	6.28	5.68	-25.6	-38.5	-34.4	0.42		
1.8	22.33	399.1	395.6	392.7	6.69	6.43	5.79	-26.1	-38.0	-33.0	0.42		
2.0	21.83	402.6	398.9	395.9	6.87	6.59	5.89	-26.3	-36.3	-31.4	0.42		
2.1	21.50	406.0	402.1	399.1	7.05	6.74	6.00	-26.0	-34.9	-31.5	0.42		
2.3	21.33	409.4	405.3	402.4	7.20	6.88	6.09	-25.7	-35.2	-32.3	0.44		
2.4	21.33	412.8	408.5	405.6	7.28	6.99	6.17	-25.8	-35.8	-31.8	0.46		
2.6	21.17	416.2	411.7	408.9	7.34	7.07	6.20	-26.6	-35.9	-30.5	0.49		
2.7	21.90	419.6	415.0	412.3	7.33	7.07	6.22	-27.6	-35.6	-30.4	0.50		
2.9	22.49	423.0	418.3	415.7	7.31	7.01	6.18	-28.7	-34.6	-31.8	0.50		
3.0	22.71	426.4	421.7	419.1	7.31	6.98	6.12	-29.2	-34.8	-31.8	0.50		
3.2	22.59	429.8	425.1	422.5	7.29	6.96	6.09	-28.9	-36.4	-30.3	0.51		
3.3	22.29	433.1	428.5	425.9	7.26	6.93	6.08	-28.2	-37.6	-30.3	0.53		
3.5	21.91	436.3	431.8	429.3	7.27	6.93	6.07	-27.4	-38.5	-31.6	0.57		
3.6	21.51	439.5	435.0	432.5	7.27	6.92	6.05	-26.8	-37.4	-32.0	0.62		
3.8	21.03	442.6	438.1	435.7	7.27	6.89	6.06	-26.9	-37.3	-30.6	0.66		
3.9	20.59	445.6	441.2	438.8	7.27	6.86	6.04	-27.7	-37.3	-29.8	0.69		
4.1	20.40	448.5	444.3	441.8	7.23	6.77	6.01	-28.9	-38.3	-30.7	0.71		
4.2	20.21	451.3	447.3	444.8	7.22	6.66	5.93	-29.9	-38.5	-31.3	0.71		
4.4	20.33	454.1	450.4	447.8	7.14	6.50	5.83	-30.6	-38.1	-30.9	0.71		
4.5	20.42	456.9	453.4	450.7	7.02	6.32	5.71	-31.2	-36.6	-29.6	0.71		
4.7	20.36	459.8	456.5	453.6	6.86	6.12	5.55	-31.3	-34.6	-29.7	0.70		
4.8	20.58	462.9	459.6	456.6	6.69	5.92	5.38	-30.9	-34.2	-30.7	0.69		
5.0	20.37	466.0	462.6	459.5	6.53	5.75	5.21	-30.7	-34.6	-31.1	0.66		
5.1	20.11	469.0	465.6	462.4	6.44	5.62	5.05	-31.1	-35.6	-30.4	0.65		
5.3	19.96	472.0	468.6	465.3	6.38	5.55	4.95	-31.9	-35.3	-29.6	0.64		
5.4	19.45	475.0	471.6	468.2	6.40	5.52	4.89	-32.8	-34.6	-30.6	0.64		
5.6	18.95	477.8	474.4	471.0	6.46	5.56	4.86	-33.3	-33.9	-31.8	0.63		
5.7	18.39	480.5	477.2	473.8	6.52	5.61	4.90	-33.5	-33.4	-31.9	0.63		
5.9	18.00	483.2	479.9	476.5	6.61	5.71	4.96	-33.3	-34.4	-31.2	0.62		

