

Voltage Controlled Oscillator

ROS-ED9896/1

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	34.03	347.8	343.9	340.5	-0.43	-0.02	-0.07	-13.6	-35.5	-39.3	0.75	1	-84
0.4	31.75	354.1	350.3	346.9	-0.41	0.04	0.02	-14.2	-35.6	-38.1	0.60	10	-108
0.6	30.38	360.2	356.4	352.9	-0.39	0.08	0.08	-14.8	-35.5	-38.8	0.48	100	-128
0.8	29.69	366.2	362.3	358.9	-0.38	0.11	0.12	-15.4	-36.4	-37.7	0.43	1000	-146
1.0	29.17	372.1	368.1	364.6	-0.36	0.15	0.15	-16.1	-37.1	-37.2	0.38		
1.2	29.01	378.0	373.9	370.4	-0.36	0.15	0.16	-16.6	-37.4	-37.2	0.34		
1.4	28.98	383.9	379.7	376.1	-0.31	0.18	0.15	-17.1	-37.4	-37.0	0.34		
1.6	28.87	389.8	385.5	381.9	-0.49	0.23	0.15	-17.5	-37.8	-36.5	0.36		
1.8	28.65	395.6	391.2	387.6	-0.16	0.30	0.17	-17.7	-38.0	-36.5	0.39		
2.0	28.65	401.4	397.0	393.3	-0.05	0.38	0.21	-18.2	-38.5	-36.3	0.43		
2.2	28.50	407.2	402.7	399.1	0.07	0.45	0.24	-18.5	-37.5	-35.9	0.52		
2.4	28.12	412.8	408.3	404.8	0.15	0.51	0.28	-18.9	-37.5	-36.0	0.62		
2.6	28.08	418.4	413.9	410.4	0.22	0.52	0.29	-19.3	-37.0	-36.4	0.77		
2.8	27.74	423.8	419.5	416.0	0.26	0.51	0.29	-19.8	-37.3	-36.3	0.87		
3.0	27.36	429.1	424.9	421.5	0.27	0.47	0.26	-20.0	-36.7	-36.6	0.98		
3.2	26.76	434.3	430.3	426.9	0.22	0.41	0.23	-20.4	-35.9	-37.0	1.04		
3.4	26.23	439.5	435.5	432.2	0.14	0.35	0.19	-20.8	-35.5	-38.0	1.10		
3.6	25.45	444.5	440.6	437.3	0.05	0.28	0.14	-21.3	-35.0	-37.9	1.09		
3.8	24.55	449.4	445.5	442.2	-0.02	0.22	0.09	-21.5	-34.4	-39.3	1.10		
4.0	23.55	454.1	450.2	446.9	-0.09	0.16	0.04	-21.8	-33.7	-39.2	1.10		
4.2	22.75	458.7	454.8	451.4	-0.17	0.11	0.01	-22.1	-33.5	-39.8	1.06		
4.4	21.75	463.0	459.1	455.7	-0.23	0.06	-0.03	-22.3	-33.4	-40.9	1.05		
4.6	20.74	467.2	463.3	459.9	-0.30	0.02	-0.06	-22.8	-33.1	-42.3	1.00		
4.8	19.88	471.1	467.3	463.8	-0.36	-0.02	-0.08	-23.1	-32.8	-43.6	0.96		
5.0	18.89	474.9	471.0	467.6	-0.42	-0.05	-0.10	-23.4	-32.8	-45.1	0.92		
5.2	17.94	478.5	474.6	471.1	-0.48	-0.09	-0.11	-23.6	-32.8	-44.1	0.88		
5.4	16.98	481.9	478.0	474.5	-0.54	-0.12	-0.14	-23.7	-32.9	-45.2	0.83		
5.6	16.11	485.2	481.2	477.7	-0.60	-0.17	-0.16	-24.0	-32.6	-43.9	0.78		
5.8	15.25	488.2	484.3	480.7	-0.65	-0.20	-0.18	-24.3	-32.6	-45.4	0.73		
6.0	14.37	491.1	487.2	483.5	-0.71	-0.25	-0.21	-24.6	-32.5	-44.3	0.68		
6.2	13.64	493.9	489.9	486.2	-0.82	-0.28	-0.24	-24.9	-32.4	-44.2	0.64		
6.4	12.91	496.5	492.5	488.8	-0.83	-0.33	-0.26	-24.9	-32.4	-44.4	0.59		
6.6	12.19	498.9	494.9	491.2	-0.84	-0.36	-0.30	-25.1	-32.3	-44.0	0.54		
6.8	11.43	501.2	497.2	493.4	-0.90	-0.40	-0.32	-25.3	-32.2	-42.6	0.50		
7.0	10.90	503.4	499.4	495.5	-0.93	-0.42	-0.35	-25.3	-32.1	-42.1	0.46		
7.2	10.32	505.5	501.4	497.5	-0.96	-0.46	-0.37	-25.6	-31.9	-41.5	0.41		
7.4	9.73	507.5	503.4	499.4	-1.00	-0.48	-0.40	-25.6	-31.8	-41.8	0.37		
7.6	9.19	509.3	505.2	501.2	-1.01	-0.51	-0.43	-25.7	-31.6	-41.3	0.34		
7.8	8.69	511.1	507.0	502.9	-1.04	-0.54	-0.44	-25.8	-31.9	-41.1	0.31		
8.0	8.24	512.8	508.6	504.5	-1.06	-0.55	-0.47	-26.0	-31.8	-41.1	0.28		