

Voltage Controlled Oscillator

ROS-ED9909/1

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	103.07	388.0	379.6	373.5	8.73	9.42	9.39	-14.6	-40.6	-40.8	2.70	1	-82
0.3	96.64	400.8	391.7	385.6	8.80	9.49	9.51	-14.7	-37.3	-42.1	3.47	10	-106
0.4	95.76	412.7	403.6	397.5	8.76	9.52	9.56	-14.8	-37.5	-43.4	3.83	100	-126
0.5	91.27	423.9	415.0	408.8	8.67	9.52	9.61	-14.8	-39.8	-46.4	3.12	1000	-146
0.6	84.58	434.2	425.6	419.3	8.60	9.51	9.57	-14.6	-41.4	-52.7	2.45		
0.8	79.19	444.0	435.5	429.2	8.54	9.48	9.36	-14.3	-37.5	-54.2	1.82		
0.9	75.34	453.4	444.9	438.9	8.50	9.43	9.07	-14.0	-34.5	-50.5	1.27		
1.0	70.96	462.2	453.8	448.2	8.47	9.23	8.77	-13.8	-32.0	-48.4	1.27		
1.1	71.47	470.7	462.7	457.3	8.35	8.92	8.51	-14.1	-31.1	-46.2	1.37		
1.3	69.54	478.9	471.4	466.1	8.05	8.64	8.29	-14.4	-31.0	-43.6	1.18		
1.4	68.70	487.3	480.0	474.7	7.72	8.35	8.08	-14.8	-31.1	-41.4	1.08		
1.5	66.58	495.5	488.3	483.1	7.40	8.07	7.86	-15.2	-31.4	-39.2	0.94		
1.6	65.41	503.5	496.5	491.3	7.11	7.78	7.63	-15.5	-31.8	-37.1	0.89		
1.8	63.56	511.3	504.4	499.3	6.83	7.53	7.41	-15.9	-32.2	-34.5	0.83		
1.9	62.42	519.0	512.3	507.2	6.60	7.29	7.20	-16.3	-32.5	-32.9	0.80		
2.0	60.67	526.5	519.8	514.8	6.40	7.10	7.04	-16.8	-33.2	-31.5	0.82		
2.1	58.83	533.7	527.2	522.2	6.21	6.93	6.91	-17.2	-34.1	-30.0	0.80		
2.3	57.86	540.9	534.4	529.5	5.99	6.77	6.79	-17.6	-35.0	-28.6	0.81		
2.4	55.86	547.7	541.4	536.5	5.77	6.59	6.68	-18.1	-36.4	-27.4	0.82		
2.5	54.54	554.4	548.2	543.4	5.54	6.40	6.55	-18.6	-38.0	-26.3	0.81		
2.6	52.25	560.8	554.8	549.9	5.30	6.21	6.42	-19.2	-40.5	-25.6	0.82		
2.8	50.87	567.1	561.1	556.3	5.09	6.02	6.27	-19.7	-43.3	-24.9	0.78		
2.9	48.57	573.0	567.2	562.5	4.94	5.85	6.14	-20.3	-48.1	-24.3	0.78		
3.0	47.08	578.8	573.1	568.4	4.83	5.73	6.03	-20.8	-54.5	-23.7	0.81		
3.1	44.75	584.2	578.7	574.0	4.78	5.66	5.96	-21.2	-49.8	-23.2	0.76		
3.3	43.21	589.5	584.1	579.5	4.76	5.63	5.92	-21.5	-45.6	-22.8	0.70		
3.4	41.00	594.5	589.2	584.6	4.78	5.65	5.94	-21.7	-42.1	-22.5	0.70		
3.5	39.06	599.3	594.1	589.6	4.81	5.69	5.98	-21.9	-39.6	-22.2	0.69		
3.6	37.46	603.9	598.8	594.3	4.84	5.74	6.04	-22.0	-38.5	-21.9	0.64		
3.8	35.44	608.2	603.2	598.8	4.85	5.79	6.10	-22.0	-37.4	-21.7	0.59		
3.9	33.98	612.4	607.4	603.1	4.85	5.82	6.15	-21.9	-36.9	-21.5	0.55		
4.0	32.30	616.3	611.5	607.1	4.84	5.82	6.18	-21.7	-36.2	-21.4	0.51		
4.1	30.66	620.0	615.3	611.0	4.82	5.82	6.20	-21.5	-35.9	-21.2	0.44		
4.3	29.06	623.6	618.9	614.7	4.80	5.82	6.19	-21.3	-35.4	-21.1	0.41		
4.4	27.87	627.0	622.4	618.2	4.77	5.80	6.18	-21.1	-35.4	-21.1	0.35		
4.5	26.18	630.2	625.7	621.5	4.75	5.77	6.16	-20.9	-35.1	-20.9	0.30		
4.6	25.09	633.2	628.8	624.7	4.73	5.75	6.12	-20.7	-35.2	-20.9	0.27		
4.8	23.86	636.1	631.8	627.7	4.71	5.72	6.09	-20.6	-35.4	-20.8	0.21		
4.9	22.58	638.8	634.6	630.5	4.69	5.70	6.06	-20.5	-35.4	-20.8	0.18		
5.0	21.63	641.5	637.3	633.3	4.69	5.68	6.02	-20.3	-35.3	-20.8	0.13		