

Voltage Controlled Oscillator

ROS-ED9897/1

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	28.06	505.4	501.8	500.3	0.29	1.99	2.34	-15.1	-36.4	-30.4	0.83	1	-84
0.3	27.28	508.8	505.3	503.7	0.21	1.90	2.26	-15.3	-37.5	-29.6	0.77	10	-106
0.4	26.74	512.1	508.6	507.0	0.11	1.82	2.16	-15.5	-38.1	-28.8	0.72	100	-126
0.5	25.84	515.3	511.8	510.2	-0.01	1.72	2.10	-15.7	-38.5	-28.1	0.66	1000	-146
0.6	25.65	518.4	515.0	513.4	-0.09	1.59	1.99	-15.9	-39.4	-27.3	0.64		
0.8	25.57	521.6	518.2	516.5	-0.16	1.50	1.91	-16.0	-40.4	-26.9	0.60		
0.9	25.37	524.8	521.4	519.7	-0.26	1.43	1.85	-16.2	-41.7	-26.4	0.56		
1.0	25.50	528.0	524.6	522.8	-0.35	1.33	1.74	-16.4	-42.3	-25.6	0.51		
1.1	25.46	531.2	527.8	525.9	-0.41	1.21	1.69	-16.5	-42.8	-25.1	0.49		
1.3	25.65	534.4	531.0	529.1	-0.51	1.16	1.59	-16.8	-43.2	-24.7	0.47		
1.4	25.66	537.7	534.2	532.2	-0.63	1.06	1.55	-17.0	-43.9	-24.0	0.45		
1.5	25.86	540.9	537.4	535.4	-0.69	0.99	1.46	-17.1	-44.9	-23.8	0.43		
1.6	25.92	544.2	540.7	538.6	-0.82	0.87	1.35	-17.3	-44.0	-23.5	0.40		
1.8	25.93	547.4	543.9	541.8	-0.89	0.74	1.29	-17.5	-44.5	-22.9	0.40		
1.9	25.99	550.7	547.1	545.0	-1.03	0.66	1.16	-17.8	-42.9	-22.5	0.38		
2.0	26.02	554.0	550.4	548.2	-1.16	0.52	1.04	-18.0	-43.7	-21.9	0.38		
2.1	25.99	557.2	553.6	551.4	-1.24	0.39	0.96	-18.1	-42.1	-21.6	0.39		
2.3	25.99	560.5	556.9	554.6	-1.38	0.30	0.84	-18.3	-41.4	-21.3	0.39		
2.4	25.79	563.7	560.1	557.7	-1.50	0.16	0.70	-18.4	-39.9	-21.0	0.38		
2.5	25.57	566.9	563.3	560.9	-1.60	0.03	0.62	-18.4	-40.0	-20.9	0.36		
2.6	25.21	570.1	566.5	564.0	-1.69	-0.06	0.50	-18.6	-39.6	-20.5	0.38		
2.8	25.11	573.2	569.6	567.1	-1.79	-0.17	0.42	-18.8	-38.6	-20.2	0.37		
2.9	24.68	576.3	572.7	570.1	-1.86	-0.26	0.32	-18.8	-38.6	-19.8	0.38		
3.0	24.34	579.3	575.7	573.2	-1.88	-0.33	0.23	-18.9	-38.8	-19.6	0.35		
3.1	23.88	582.3	578.7	576.1	-1.88	-0.37	0.18	-19.0	-38.2	-19.4	0.33		
3.3	23.44	585.2	581.6	579.0	-1.95	-0.39	0.15	-19.0	-38.0	-19.3	0.33		
3.4	22.90	588.0	584.5	581.9	-1.92	-0.45	0.12	-19.0	-37.4	-19.1	0.29		
3.5	22.26	590.7	587.3	584.7	-1.90	-0.45	0.07	-19.1	-37.2	-19.0	0.27		
3.6	21.81	593.4	590.0	587.4	-1.89	-0.42	0.08	-19.1	-36.9	-18.9	0.23		
3.8	21.26	596.0	592.7	590.0	-1.86	-0.41	0.11	-19.0	-37.5	-18.8	0.20		
3.9	20.54	598.6	595.2	592.6	-1.82	-0.41	0.11	-19.1	-38.2	-18.7	0.17		
4.0	20.06	601.0	597.8	595.1	-1.80	-0.36	0.14	-19.1	-37.5	-18.5	0.10		
4.1	19.48	603.4	600.2	597.5	-1.74	-0.32	0.19	-19.1	-37.9	-18.4	0.06		
4.3	18.86	605.7	602.5	599.9	-1.71	-0.28	0.20	-19.1	-37.6	-18.3	0.01		
4.4	18.30	607.9	604.8	602.2	-1.68	-0.26	0.23	-19.1	-37.8	-18.1	0.07		
4.5	17.67	610.0	607.0	604.4	-1.67	-0.25	0.28	-19.1	-37.9	-18.2	0.11		
4.6	17.07	612.1	609.2	606.6	-1.64	-0.20	0.31	-19.0	-38.4	-18.2	0.19		
4.8	16.42	614.1	611.2	608.6	-1.61	-0.19	0.35	-19.0	-39.1	-18.2	0.25		
4.9	15.79	616.0	613.2	610.6	-1.61	-0.14	0.36	-19.0	-39.0	-18.2	0.32		
5.0	15.42	617.9	615.1	612.6	-1.56	-0.15	0.40	-18.9	-38.9	-18.2	0.40		
5.1	14.74	619.6	617.0	614.4	-1.56	-0.15	0.40	-18.9	-39.3	-18.0	0.47		
5.3	14.29	621.4	618.8	616.2	-1.59	-0.11	0.40	-18.9	-40.0	-18.0	0.52		
5.4	13.70	623.0	620.5	617.9	-1.55	-0.10	0.46	-18.8	-40.0	-17.9	0.60		
5.5	13.30	624.6	622.1	619.6	-1.56	-0.11	0.45	-18.7	-40.1	-18.0	0.67		
5.6	12.68	626.1	623.7	621.2	-1.58	-0.07	0.44	-18.8	-40.7	-18.0	0.73		
5.8	12.27	627.6	625.2	622.8	-1.53	-0.09	0.48	-18.8	-40.6	-17.9	0.80		
5.9	11.78	629.0	626.7	624.2	-1.55	-0.1	0.47	-18.7	-40.1	-17.9	0.85		
6.0	11.44	630.4	628.2	625.7	-1.57	-0.06	0.46	-18.7	-39.9	-17.8	0.92		