

Voltage Controlled Oscillator

ROS-ED10123/1

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	18.39	514.5	511.3	509.3	1.72	2.62	2.63	-18.8	-27.3	-24.4	0.72	1	-87
0.3	17.32	516.6	513.5	511.5	1.64	2.52	2.56	-18.9	-26.8	-23.9	0.68	10	-109
0.4	16.54	518.6	515.6	513.7	1.57	2.46	2.48	-19.1	-26.4	-23.4	0.63	100	-129
0.5	15.55	520.4	517.5	515.6	1.51	2.39	2.42	-19.3	-26.1	-22.8	0.60	1000	-149
0.6	15.10	522.3	519.4	517.5	1.45	2.34	2.37	-19.4	-26.0	-22.5	0.57		
0.8	14.74	524.1	521.2	519.4	1.36	2.29	2.33	-19.6	-25.7	-22.0	0.53		
0.9	14.34	525.9	523.0	521.2	1.31	2.21	2.29	-19.8	-25.5	-21.7	0.52		
1.0	14.05	527.6	524.8	522.9	1.21	2.17	2.22	-19.9	-25.1	-21.4	0.51		
1.1	13.82	529.3	526.5	524.6	1.17	2.13	2.19	-20.1	-24.8	-21.1	0.48		
1.3	13.70	531.0	528.2	526.3	1.13	2.04	2.15	-20.3	-24.8	-20.8	0.47		
1.4	13.47	532.7	529.9	528.0	1.05	2.00	2.07	-20.5	-24.5	-20.5	0.45		
1.5	13.41	534.4	531.6	529.7	1.00	1.97	2.04	-20.6	-24.3	-20.1	0.45		
1.6	13.34	536.0	533.3	531.3	0.95	1.90	2.01	-20.8	-24.0	-19.9	0.44		
1.8	13.30	537.7	534.9	533.0	0.85	1.86	1.95	-21.0	-23.9	-19.7	0.41		
1.9	13.23	539.4	536.6	534.6	0.81	1.82	1.92	-21.1	-23.6	-19.4	0.41		
2.0	13.17	541.0	538.2	536.2	0.76	1.73	1.90	-21.3	-23.3	-19.1	0.40		
2.1	13.18	542.7	539.9	537.9	0.65	1.69	1.81	-21.5	-23.3	-18.8	0.39		
2.3	13.10	544.3	541.5	539.5	0.61	1.65	1.78	-21.8	-23.1	-18.6	0.37		
2.4	13.19	546.0	543.2	541.1	0.55	1.54	1.75	-22.0	-22.9	-18.3	0.37		
2.5	13.15	547.6	544.8	542.7	0.45	1.50	1.66	-22.2	-22.8	-18.1	0.36		
2.6	13.09	549.3	546.4	544.4	0.40	1.46	1.62	-22.4	-22.6	-17.9	0.36		
2.8	13.15	550.9	548.1	546.0	0.34	1.36	1.59	-22.6	-22.4	-17.6	0.35		
2.9	13.14	552.6	549.7	547.6	0.23	1.32	1.49	-22.8	-22.3	-17.4	0.36		
3.0	13.12	554.2	551.4	549.2	0.19	1.26	1.45	-23.0	-22.0	-17.2	0.35		
3.1	13.09	555.9	553.0	550.8	0.13	1.17	1.42	-23.2	-21.9	-17.1	0.35		
3.3	13.04	557.5	554.6	552.5	0.02	1.12	1.37	-23.4	-21.8	-16.7	0.35		
3.4	13.03	559.2	556.3	554.1	-0.02	1.08	1.28	-23.5	-21.6	-16.6	0.35		
3.5	12.96	560.8	557.9	555.7	-0.07	0.97	1.25	-23.9	-21.5	-16.4	0.36		
3.6	12.94	562.4	559.5	557.3	-0.14	0.93	1.20	-24.0	-21.2	-16.3	0.36		
3.8	12.81	564.0	561.1	558.9	-0.24	0.88	1.11	-24.2	-21.3	-16.1	0.36		
3.9	12.74	565.6	562.7	560.4	-0.29	0.79	1.08	-24.4	-20.9	-15.9	0.36		
4.0	12.64	567.2	564.3	562.0	-0.32	0.74	1.03	-24.5	-20.9	-15.8	0.36		
4.1	12.49	568.8	565.8	563.6	-0.40	0.69	0.95	-24.6	-20.9	-15.6	0.36		
4.3	12.46	570.3	567.4	565.1	-0.45	0.66	0.91	-25.0	-20.7	-15.4	0.36		
4.4	12.26	571.9	568.9	566.6	-0.50	0.58	0.88	-25.1	-20.6	-15.2	0.38		
4.5	12.14	573.4	570.4	568.1	-0.56	0.54	0.81	-25.3	-20.5	-15.1	0.36		
4.6	12.00	574.9	571.9	569.6	-0.59	0.51	0.77	-25.6	-20.4	-15.0	0.38		
4.8	11.85	576.4	573.4	571.1	-0.63	0.44	0.73	-25.8	-20.3	-14.8	0.38		
4.9	11.65	577.8	574.9	572.6	-0.65	0.41	0.68	-25.8	-20.2	-14.8	0.37		
5.0	11.52	579.3	576.3	574.0	-0.67	0.38	0.65	-26.2	-20.2	-14.6	0.37		
5.1	11.36	580.7	577.7	575.4	-0.69	0.36	0.63	-26.2	-20.1	-14.5	0.36		
5.3	11.18	582.1	579.1	576.8	-0.69	0.35	0.61	-26.3	-19.9	-14.4	0.37		
5.4	10.95	583.4	580.5	578.2	-0.75	0.32	0.59	-26.7	-20.0	-14.4	0.35		
5.5	10.84	584.8	581.9	579.5	-0.76	0.32	0.58	-26.8	-19.8	-14.2	0.34		
5.6	10.57	586.1	583.2	580.8	-0.76	0.26	0.58	-26.9	-19.8	-14.2	0.33		
5.8	10.39	587.4	584.5	582.1	-0.78	0.26	0.56	-27.0	-19.7	-14.1	0.33		
5.9	10.29	588.7	585.8	583.4	-0.77	0.25	0.51	-27.3	-19.5	-14.0	0.31		
6.0	10.04	589.9	587.0	584.7	-0.77	0.24	0.51	-27.5	-19.5	-13.9	0.29		