

Voltage Controlled Oscillator

ROS-ED10121/2

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	4.10	94.6	93.8	93.3	1.66	2.19	1.52	-16.1	-28.9	-37.1	0.17	1	-94
0.3	4.01	95.1	94.3	93.8	1.65	2.20	1.53	-16.3	-29.1	-37.0	0.16	10	-122
0.4	3.96	95.6	94.8	94.3	1.66	2.19	1.54	-16.4	-29.1	-37.1	0.16	100	-142
0.5	3.96	96.0	95.3	94.8	1.64	2.19	1.53	-16.6	-29.3	-37.3	0.16	1000	-162
0.6	3.92	96.5	95.8	95.3	1.64	2.19	1.53	-16.7	-29.4	-37.4	0.17		
0.8	3.91	97.0	96.3	95.8	1.63	2.18	1.52	-16.8	-29.5	-37.3	0.18		
0.9	3.91	97.5	96.8	96.3	1.62	2.17	1.52	-17.0	-29.6	-37.4	0.19		
1.0	3.87	98.0	97.2	96.8	1.74	2.15	1.51	-17.1	-29.7	-37.5	0.20		
1.1	3.87	98.5	97.7	97.3	1.73	2.28	1.50	-17.3	-29.9	-37.5	0.21		
1.3	3.83	98.9	98.2	97.8	1.72	2.27	1.62	-17.4	-29.9	-37.6	0.22		
1.4	3.81	99.4	98.7	98.3	1.71	2.26	1.62	-17.5	-30.0	-37.5	0.23		
1.5	3.74	99.9	99.1	98.8	1.69	2.24	1.60	-17.7	-30.0	-37.6	0.25		
1.6	3.68	100.3	99.6	99.2	1.68	2.23	1.59	-17.8	-30.2	-37.7	0.26		
1.8	3.64	100.8	100.1	99.7	1.67	2.21	1.57	-17.9	-30.2	-37.7	0.27		
1.9	3.55	101.2	100.5	100.1	1.66	2.19	1.57	-18.0	-30.3	-37.8	0.28		
2.0	3.50	101.6	100.9	100.6	1.64	2.18	1.55	-18.1	-30.3	-37.6	0.30		
2.1	3.39	102.0	101.4	101.0	1.63	2.16	1.53	-18.2	-30.4	-37.9	0.31		
2.3	3.29	102.5	101.8	101.5	1.61	2.14	1.52	-18.3	-30.4	-37.8	0.32		
2.4	3.23	102.8	102.2	101.9	1.54	2.13	1.51	-18.4	-30.4	-37.7	0.33		
2.5	3.10	103.2	102.6	102.3	1.53	2.05	1.49	-18.5	-30.5	-37.7	0.34		
2.6	3.02	103.6	102.9	102.7	1.51	2.04	1.42	-18.6	-30.5	-37.8	0.35		
2.8	2.89	103.9	103.3	103.0	1.50	2.02	1.40	-18.6	-30.5	-37.5	0.36		
2.9	2.78	104.3	103.7	103.4	1.49	2.01	1.39	-18.7	-30.6	-37.4	0.37		
3.0	2.63	104.6	104.0	103.7	1.47	1.99	1.38	-18.8	-30.6	-37.5	0.38		
3.1	2.52	104.9	104.3	104.0	1.46	1.98	1.37	-18.8	-30.6	-37.4	0.38		
3.3	2.42	105.2	104.6	104.4	1.45	1.96	1.35	-18.9	-30.6	-37.6	0.39		
3.4	2.27	105.5	104.9	104.6	1.44	1.95	1.34	-19.0	-30.7	-37.4	0.39		
3.5	2.15	105.7	105.2	104.9	1.43	1.94	1.33	-19.0	-30.6	-37.4	0.40		
3.6	2.02	106.0	105.4	105.2	1.43	1.93	1.33	-19.1	-30.8	-37.6	0.40		
3.8	1.91	106.2	105.6	105.4	1.42	1.92	1.32	-19.1	-30.7	-37.4	0.40		
3.9	1.79	106.4	105.9	105.7	1.41	1.91	1.31	-19.1	-30.6	-37.4	0.39		
4.0	1.68	106.6	106.1	105.9	1.41	1.91	1.30	-19.1	-30.6	-37.5	0.39		
4.1	1.58	106.8	106.3	106.1	1.40	1.90	1.30	-19.2	-30.7	-37.5	0.39		
4.3	1.47	107.0	106.5	106.3	1.39	1.89	1.29	-19.2	-30.7	-37.4	0.38		
4.4	1.36	107.2	106.6	106.4	1.38	1.88	1.29	-19.3	-30.7	-37.4	0.37		
4.5	1.28	107.3	106.8	106.6	1.38	1.88	1.28	-19.3	-30.7	-37.5	0.36		
4.6	1.16	107.5	106.9	106.7	1.37	1.87	1.28	-19.3	-30.6	-37.7	0.35		
4.8	1.08	107.6	107.1	106.9	1.42	1.86	1.27	-19.3	-30.8	-37.4	0.33		
4.9	0.99	107.7	107.2	107.0	1.41	1.86	1.27	-19.4	-30.6	-37.7	0.32		
5.0	0.90	107.8	107.3	107.1	1.41	1.85	1.26	-19.4	-30.8	-37.6	0.30		