

Voltage Controlled Oscillator

ROS-ED9416/1

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	22.90	113.1	109.3	107.9	4.21	4.19	4.05	-7.9	-30.4	-30.7	2.82	1 10 100 1000	-85 -112 -132 -152
0.3	20.31	115.6	112.3	111.2	4.11	4.05	3.90	-8.8	-29.8	-31.2	2.83		
0.5	18.49	117.9	115.1	114.1	4.08	3.96	3.80	-9.6	-29.2	-31.5	2.76		
0.6	16.98	120.0	117.6	116.7	3.99	3.91	3.69	-10.3	-28.7	-31.8	2.67		
0.8	15.52	122.0	119.9	119.2	3.91	3.80	3.63	-10.9	-28.5	-32.2	2.57		
0.9	14.25	123.9	122.1	121.4	3.87	3.70	3.53	-11.5	-28.3	-32.3	2.50		
1.1	13.52	125.8	124.1	123.5	3.79	3.66	3.48	-12.0	-28.1	-32.6	2.45		
1.2	12.80	127.5	126.0	125.4	3.78	3.58	3.38	-12.5	-28.1	-32.9	2.41		
1.4	12.09	129.2	127.8	127.3	3.70	3.57	3.29	-12.9	-28.0	-33.1	2.38		
1.5	11.46	130.8	129.6	129.1	3.62	3.50	3.29	-13.3	-28.0	-33.1	2.34		
1.7	10.96	132.3	131.2	130.7	3.55	3.43	3.20	-13.7	-27.8	-33.1	2.31		
1.8	10.54	133.8	132.8	132.4	3.54	3.43	3.13	-14.0	-27.8	-33.3	2.28		
2.0	10.04	135.3	134.3	133.9	3.46	3.36	3.13	-14.4	-27.8	-33.5	2.25		
2.1	9.68	136.7	135.7	135.3	3.38	3.30	3.06	-14.7	-27.9	-33.7	2.25		
2.3	9.33	138.1	137.1	136.8	3.37	3.23	3.01	-15.0	-27.8	-33.7	2.29		
2.4	9.10	139.4	138.5	138.1	3.29	3.25	3.02	-15.3	-28.0	-33.9	2.39		
2.6	8.79	140.8	139.8	139.5	3.23	3.20	2.99	-15.6	-28.0	-34.2	2.51		
2.7	8.77	142.1	141.1	140.8	3.16	3.17	2.97	-16.0	-28.1	-34.4	2.61		
2.9	8.65	143.5	142.4	142.1	3.20	3.14	2.95	-16.3	-27.9	-34.5	2.66		
3.0	8.42	144.8	143.7	143.3	3.16	3.19	3.00	-16.7	-28.0	-34.7	2.63		
3.2	8.13	146.0	144.9	144.5	3.14	3.17	2.98	-17.0	-28.1	-34.8	2.59		
3.3	7.91	147.2	146.1	145.7	3.12	3.15	2.96	-17.4	-28.2	-34.9	2.56		
3.5	7.70	148.4	147.3	146.8	3.18	3.13	2.95	-17.7	-28.2	-35.0	2.52		
3.6	7.53	149.4	148.4	147.9	3.17	3.18	3.00	-18.1	-28.2	-35.3	2.50		
3.8	7.27	150.5	149.5	149.0	3.19	3.16	2.99	-18.5	-28.3	-35.5	2.47		
3.9	7.07	151.5	150.5	150.1	3.20	3.14	2.97	-18.8	-28.3	-35.3	2.43		
4.1	6.88	152.5	151.6	151.1	3.21	3.12	2.95	-19.0	-28.4	-35.6	2.41		
4.2	6.66	153.4	152.6	152.1	3.31	3.19	2.94	-19.3	-28.5	-35.6	2.37		
4.4	6.50	154.4	153.6	153.0	3.33	3.18	3.01	-19.6	-28.5	-35.7	2.33		
4.5	6.30	155.3	154.5	154.0	3.35	3.18	3.00	-19.9	-28.7	-35.6	2.28		
4.7	6.08	156.1	155.4	154.9	3.38	3.17	2.98	-20.2	-28.7	-35.6	2.24		
4.8	5.95	157.0	156.3	155.8	3.41	3.18	2.97	-20.4	-28.7	-35.7	2.19		
5.0	5.69	157.8	157.2	156.7	3.48	3.19	2.96	-20.7	-28.8	-35.6	2.14		
5.1	5.51	158.6	158.0	157.5	3.50	3.25	2.96	-20.9	-28.8	-35.5	2.09		
5.3	5.35	159.4	158.8	158.3	3.53	3.27	3.00	-21.2	-28.8	-35.6	2.04		
5.4	5.13	160.2	159.6	159.1	3.55	3.28	3.00	-21.4	-29.0	-35.8	1.99		
5.6	4.94	160.9	160.3	159.8	3.57	3.30	3.00	-21.6	-29.1	-35.8	1.95		
5.7	4.78	161.6	161.0	160.6	3.60	3.32	3.01	-21.9	-29.2	-36.0	1.90		
5.9	4.63	162.3	161.7	161.3	3.62	3.35	3.01	-22.1	-29.0	-35.7	1.85		
6.0	4.39	163.0	162.4	161.9	3.70	3.38	3.02	-22.3	-29.1	-35.8	1.81		