

Voltage Controlled Oscillator

ROS-ED10388/1

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	11.97	84.9	82.0	80.4	3.35	3.48	3.36	-8.3	-31.9	-32.8	1.51	1	-90
0.3	13.57	86.4	83.7	82.2	3.44	3.57	3.49	-8.7	-34.9	-32.7	1.83	10	-115
0.4	14.94	88.0	85.6	84.1	3.51	3.66	3.53	-9.1	-38.6	-32.9	2.10	100	-135
0.5	15.43	89.8	87.5	86.2	3.55	3.69	3.54	-9.6	-43.9	-33.1	2.28	1000	-155
0.6	15.70	91.5	89.5	88.2	3.56	3.68	3.51	-10.1	-51.6	-33.3	2.33		
0.8	15.47	93.2	91.4	90.3	3.55	3.64	3.45	-10.6	-53.5	-33.3	2.32		
0.9	14.77	94.9	93.2	92.2	3.51	3.58	3.38	-11.1	-46.5	-33.4	2.23		
1.0	14.06	96.6	95.0	94.0	3.45	3.55	3.31	-11.5	-43.4	-33.8	2.10		
1.1	13.23	98.1	96.6	95.7	3.40	3.44	3.22	-11.9	-41.3	-33.9	1.94		
1.3	12.46	99.6	98.2	97.3	3.34	3.36	3.13	-12.3	-39.9	-33.9	1.81		
1.4	11.78	101.1	99.7	98.8	3.28	3.28	3.06	-12.7	-38.3	-34.1	1.74		
1.5	11.37	102.5	101.1	100.3	3.23	3.20	2.99	-13.1	-37.6	-34.2	1.73		
1.6	11.07	103.9	102.5	101.7	3.22	3.12	2.90	-13.5	-36.7	-34.2	1.75		
1.8	10.71	105.2	103.8	103.0	3.16	3.10	2.88	-13.8	-36.5	-34.4	1.78		
1.9	10.42	106.4	105.1	104.4	3.09	3.02	2.80	-14.2	-35.6	-34.5	1.83		
2.0	10.14	107.7	106.4	105.6	3.05	2.93	2.71	-14.5	-35.1	-34.6	1.87		
2.1	9.85	108.9	107.6	106.9	2.99	2.89	2.63	-14.9	-35.0	-34.9	1.92		
2.3	9.60	110.0	108.8	108.1	2.92	2.80	2.58	-15.2	-34.6	-34.8	1.97		
2.4	9.39	111.1	110.0	109.3	2.85	2.71	2.50	-15.6	-34.2	-35.0	2.01		
2.5	9.12	112.2	111.1	110.5	2.79	2.63	2.41	-15.8	-33.9	-35.3	2.04		
2.6	8.82	113.3	112.2	111.6	2.76	2.61	2.33	-16.1	-33.7	-35.2	2.07		
2.8	8.56	114.3	113.3	112.7	2.69	2.51	2.28	-16.4	-33.5	-35.5	2.10		
2.9	8.30	115.3	114.3	113.8	2.62	2.43	2.20	-16.6	-33.3	-35.6	2.12		
3.0	8.04	116.3	115.3	114.8	2.54	2.35	2.12	-16.8	-33.1	-35.4	2.14		
3.1	7.77	117.2	116.3	115.8	2.48	2.28	2.05	-16.9	-32.9	-35.6	2.15		
3.3	7.53	118.1	117.3	116.8	2.45	2.21	1.97	-17.1	-32.8	-35.8	2.16		
3.4	7.29	119.0	118.2	117.7	2.38	2.20	1.95	-17.3	-32.9	-35.7	2.17		
3.5	7.03	119.9	119.1	118.6	2.31	2.13	1.89	-17.5	-32.6	-35.9	2.16		
3.6	6.80	120.7	119.9	119.5	2.23	2.07	1.81	-17.7	-32.5	-36.0	2.15		
3.8	6.59	121.5	120.7	120.3	2.16	2.01	1.74	-17.9	-32.4	-36.0	2.15		
3.9	6.32	122.3	121.5	121.1	2.08	1.95	1.69	-18.0	-32.2	-36.3	2.13		
4.0	6.06	123.0	122.3	121.9	2.08	1.89	1.64	-18.3	-32.3	-36.4	2.11		
4.1	5.85	123.8	123.0	122.6	2.00	1.90	1.64	-18.3	-32.2	-36.2	2.09		
4.3	5.62	124.5	123.7	123.3	1.92	1.85	1.58	-18.6	-32.0	-36.3	2.06		
4.4	5.39	125.2	124.4	124.0	1.86	1.80	1.53	-18.7	-32.1	-36.5	2.03		
4.5	5.16	125.8	125.0	124.7	1.79	1.74	1.48	-18.8	-31.9	-36.4	2.00		
4.6	4.94	126.5	125.6	125.3	1.72	1.69	1.43	-19.0	-31.8	-36.3	1.96		
4.8	4.70	127.1	126.2	125.9	1.65	1.64	1.38	-19.1	-31.8	-36.7	1.91		
4.9	4.46	127.7	126.8	126.4	1.65	1.59	1.34	-19.3	-31.6	-36.6	1.87		
5.0	4.26	128.3	127.3	126.9	1.59	1.54	1.29	-19.5	-31.5	-36.9	1.82		