

Voltage Controlled Oscillator

ROS-ED10114/1

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			
0.3	20.44	228.0	225.7	223.9	3.53	4.17	4.08	-20.3	-51.4	-38.3	0.11	1	-88
0.5	23.91	234.3	231.7	229.9	3.45	4.05	3.98	-20.9	-54.2	-38.1	1.17	10	-111
0.8	23.46	240.2	237.5	235.7	3.22	3.89	3.89	-21.3	-56.2	-37.5	0.98	100	-132
1.0	22.10	245.8	243.0	241.3	3.05	3.75	3.67	-21.7	-54.3	-37.0	0.87	1000	-148
1.3	21.24	251.1	248.3	246.6	3.05	3.76	3.51	-22.0	-53.6	-36.5	0.83		
1.5	20.62	256.3	253.5	251.7	2.81	3.49	3.49	-22.3	-54.1	-36.8	0.82		
1.8	20.14	261.3	258.5	256.7	2.70	3.36	3.24	-22.6	-52.0	-36.6	0.85		
2.0	19.65	266.1	263.5	261.6	2.69	3.34	3.12	-22.9	-50.3	-36.8	0.88		
2.3	19.04	270.9	268.2	266.4	2.45	3.12	3.12	-23.1	-49.0	-37.2	0.92		
2.5	18.48	275.5	272.8	271.0	2.28	2.99	2.93	-23.3	-46.4	-37.0	0.97		
2.8	17.80	279.9	277.3	275.4	2.07	2.79	2.81	-23.3	-45.0	-37.1	1.01		
3.0	17.05	284.2	281.5	279.6	1.93	2.62	2.66	-23.4	-44.9	-36.7	1.05		
3.3	16.28	288.3	285.6	283.6	1.75	2.51	2.57	-23.3	-44.1	-36.4	1.07		
3.5	15.42	292.2	289.5	287.5	1.52	2.37	2.38	-23.1	-43.5	-36.4	1.09		
3.8	14.54	295.8	293.1	291.1	1.29	2.17	2.24	-23.1	-43.3	-35.5	1.08		
4.0	13.68	299.3	296.5	294.4	1.20	1.97	2.05	-23.0	-43.0	-35.3	1.07		
4.3	12.82	302.5	299.7	297.6	1.05	1.91	1.97	-22.7	-42.7	-34.9	1.05		
4.5	11.94	305.5	302.7	300.6	0.86	1.78	1.78	-22.5	-42.2	-34.5	1.00		
4.8	11.08	308.4	305.5	303.4	0.59	1.61	1.64	-22.6	-41.6	-34.0	0.95		
5.0	10.26	311.0	308.0	305.9	0.44	1.37	1.45	-22.3	-41.0	-33.9	0.91		
5.3	9.43	313.4	310.4	308.3	0.43	1.23	1.19	-22.1	-40.0	-34.0	0.87		
5.5	8.73	315.7	312.6	310.6	0.31	1.24	1.02	-21.8	-40.2	-34.1	0.83		
5.8	8.02	317.7	314.6	312.6	0.23	1.12	1.00	-21.6	-39.1	-34.3	0.82		
6.0	7.41	319.7	316.4	314.6	0.12	1.02	0.87	-21.4	-38.1	-34.1	0.80		
6.3	6.89	321.5	318.2	316.3	0.02	0.96	0.75	-21.2	-37.6	-33.7	0.82		
6.5	6.40	323.1	319.8	318.0	-0.32	0.87	0.68	-21.0	-36.9	-33.2	0.82		
6.8	5.97	324.6	321.3	319.5	-0.41	0.78	0.59	-20.9	-36.5	-32.7	0.82		
7.0	5.58	326.1	322.7	320.9	-0.49	0.44	0.50	-20.8	-36.4	-32.0	0.81		
7.3	5.18	327.4	324.0	322.2	-0.58	0.36	0.42	-20.6	-36.2	-31.5	0.80		
7.5	4.83	328.6	325.2	323.4	-0.42	0.28	0.09	-20.5	-36.1	-31.2	0.79		
7.8	4.49	329.7	326.3	324.5	-0.49	0.21	0.02	-20.5	-36.2	-30.5	0.79		
8.0	4.16	330.7	327.3	325.6	-0.56	0.13	-0.04	-20.5	-35.8	-30.3	0.79		
8.3	3.87	331.7	328.3	326.5	-0.62	0.29	-0.11	-20.5	-35.7	-30.3	0.78		
8.5	3.58	332.5	329.2	327.4	-0.70	0.23	-0.16	-20.3	-35.9	-30.2	0.79		
8.8	3.30	333.3	330.0	328.3	-0.75	0.17	0.00	-20.4	-35.1	-30.1	0.80		
9.0	3.05	334.1	330.8	329.0	-0.80	0.11	-0.04	-20.2	-35.1	-29.9	0.80		
9.3	2.79	334.7	331.5	329.7	-0.85	0.06	-0.09	-20.3	-34.9	-29.8	0.80		
9.5	2.55	335.4	332.1	330.3	-0.89	0.01	-0.14	-20.2	-34.7	-29.7	0.81		
9.8	2.31	335.9	332.7	330.9	-0.93	-0.06	-0.17	-20.2	-34.6	-29.9	0.80		
10.0	2.09	336.4	333.2	331.4	-0.97	-0.10	-0.21	-20.2	-34.3	-29.8	0.81		