

Voltage Controlled Oscillator

ROS-ED9186/1

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			
0.5	5.46	49.3	48.9	48.6	7.37	7.31	7.14	-19.4	-42.8	-61.8	0.15	1	-101
1.0	4.40	51.5	51.1	50.8	7.87	7.95	7.89	-20.3	-41.1	-58.7	0.13	10	-124
1.5	3.42	53.2	52.8	52.5	8.24	8.39	8.38	-21.2	-40.3	-55.7	0.09	100	-137
2.0	2.83	54.6	54.2	54.0	8.51	8.71	8.74	-21.9	-40.1	-53.7	0.08	1000	-160
2.5	2.46	55.8	55.4	55.2	8.73	8.98	8.98	-22.6	-40.1	-52.9	0.06		
3.0	2.21	56.9	56.5	56.3	8.91	9.19	9.22	-23.2	-39.9	-52.5	0.06		
3.5	2.02	57.9	57.5	57.3	9.08	9.38	9.41	-23.8	-39.8	-52.3	0.05		
4.0	1.88	58.9	58.5	58.3	9.19	9.53	9.58	-24.3	-40.0	-51.2	0.04		
4.5	1.77	59.7	59.4	59.1	9.29	9.64	9.71	-24.7	-39.9	-50.9	0.04		
5.0	1.68	60.6	60.2	60.0	9.35	9.73	9.81	-25.1	-39.9	-50.4	0.04		
5.5	1.61	61.4	61.0	60.8	9.39	9.79	9.88	-25.5	-40.0	-49.8	0.03		
6.0	1.55	62.1	61.8	61.6	9.41	9.82	9.91	-25.8	-40.0	-50.2	0.03		
6.5	1.50	62.9	62.5	62.3	9.40	9.83	9.93	-26.1	-40.1	-50.1	0.03		
7.0	1.45	63.6	63.3	63.0	9.36	9.81	9.92	-26.4	-40.0	-49.3	0.04		
7.5	1.39	64.3	63.9	63.7	9.30	9.76	9.89	-26.5	-39.9	-48.9	0.04		
8.0	1.34	65.0	64.6	64.4	9.23	9.70	9.82	-26.7	-39.8	-48.7	0.04		
8.5	1.28	65.6	65.3	65.0	9.12	9.61	9.75	-26.8	-39.8	-48.8	0.04		
9.0	1.23	66.2	65.9	65.7	9.01	9.50	9.65	-26.9	-39.6	-48.7	0.04		
9.5	1.16	66.8	66.5	66.2	8.88	9.39	9.54	-27.0	-39.5	-47.7	0.05		
10.0	1.10	67.3	67.0	66.8	8.74	9.26	9.42	-27.0	-39.3	-47.9	0.05		
10.5	1.04	67.8	67.5	67.3	8.60	9.13	9.29	-27.0	-39.2	-47.2	0.04		
11.0	0.97	68.3	68.0	67.8	8.45	8.99	9.16	-27.0	-39.1	-47.2	0.04		
11.5	0.92	68.8	68.5	68.3	8.31	8.85	9.02	-27.1	-38.7	-46.4	0.04		
12.0	0.86	69.2	68.9	68.7	8.16	8.71	8.89	-27.0	-38.6	-46.5	0.04		
12.5	0.82	69.6	69.3	69.1	8.02	8.57	8.75	-26.9	-38.6	-46.2	0.04		
13.0	0.78	70.0	69.7	69.5	7.87	8.43	8.62	-26.9	-38.2	-45.9	0.04		
13.5	0.74	70.4	70.1	69.9	7.72	8.29	8.48	-26.9	-38.1	-45.6	0.03		
14.0	0.70	70.7	70.4	70.2	7.58	8.16	8.35	-26.8	-38.0	-45.6	0.03		
14.5	0.67	71.0	70.7	70.5	7.45	8.02	8.22	-26.8	-37.7	-45.1	0.03		
15.0	0.63	71.4	71.1	70.9	7.32	7.89	8.09	-26.7	-37.6	-45.2	0.04		
15.5	0.60	71.7	71.4	71.2	7.18	7.77	7.97	-26.7	-37.7	-44.5	0.04		
16.0	0.56	71.9	71.6	71.4	7.05	7.65	7.85	-26.6	-37.5	-44.4	0.04		
16.5	0.53	72.2	71.9	71.7	6.95	7.53	7.74	-26.6	-37.2	-44.1	0.04		
17.0	0.49	72.4	72.1	72.0	6.85	7.43	7.63	-26.5	-37.1	-44.1	0.04		
17.5	0.45	72.7	72.4	72.2	6.76	7.33	7.53	-26.5	-37.0	-43.9	0.04		
18.0	0.41	72.9	72.6	72.4	6.62	7.24	7.45	-26.3	-36.8	-44.1	0.04		
18.5	0.37	73.1	72.8	72.6	6.50	7.16	7.36	-26.4	-36.8	-43.6	0.04		
19.0	0.33	73.2	72.9	72.7	6.46	7.08	7.30	-26.3	-36.6	-43.4	0.04		
19.5	0.30	73.4	73.1	72.9	6.41	7.02	7.23	-26.2	-36.6	-43.5	0.04		
20.0	0.26	73.5	73.2	73.0	6.35	6.96	7.17	-26.2	-36.4	-43.3	0.03		