

Voltage Controlled Oscillator

ROS-ED9076A/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	5.10	50.9	50.5	50.5	4.71	4.67	4.44	-17.0	-26.3	-43.5	0.16	1	-96
0.5	4.95	52.1	51.8	51.7	4.50	4.60	4.47	-17.8	-25.8	-42.5	0.00	10	-118
0.8	4.95	53.3	53.0	53.0	4.16	4.35	4.27	-18.8	-25.8	-41.6	0.28	100	-138
1.0	5.00	54.6	54.3	54.2	3.96	4.22	4.16	-19.8	-26.1	-40.4	0.39	1000	-158
1.3	4.66	55.7	55.4	55.3	3.79	4.09	4.05	-20.7	-26.4	-39.6	0.34		
1.5	4.31	56.8	56.5	56.4	3.63	3.97	3.94	-21.3	-26.7	-39.0	0.29		
1.8	4.05	57.9	57.5	57.4	3.37	3.74	3.84	-21.8	-27.1	-38.6	0.25		
2.0	3.84	58.8	58.5	58.3	3.23	3.62	3.62	-22.2	-27.4	-38.1	0.22		
2.3	3.65	59.7	59.4	59.2	3.10	3.51	3.52	-22.5	-27.8	-37.8	0.19		
2.5	3.52	60.6	60.3	60.1	2.98	3.41	3.42	-22.7	-28.1	-37.5	0.17		
2.8	3.45	61.5	61.1	60.9	2.87	3.30	3.32	-22.9	-28.4	-37.4	0.15		
3.0	3.36	62.3	62.0	61.8	2.76	3.20	3.22	-23.1	-28.8	-37.1	0.13		
3.3	3.29	63.2	62.8	62.6	2.56	2.99	3.02	-23.3	-29.1	-37.1	0.11		
3.5	3.25	64.0	63.6	63.4	2.46	2.89	2.92	-23.5	-29.4	-37.0	0.10		
3.8	3.21	64.8	64.4	64.2	2.37	2.79	2.83	-23.6	-29.7	-36.9	0.08		
4.0	3.17	65.6	65.2	65.0	2.27	2.70	2.74	-23.8	-30.0	-36.9	0.07		
4.3	3.13	66.4	66.0	65.7	2.18	2.60	2.64	-24.0	-30.1	-36.9	0.06		
4.5	3.13	67.2	66.8	66.5	2.09	2.51	2.54	-24.2	-30.5	-37.0	0.06		
4.8	3.11	67.9	67.5	67.3	1.94	2.35	2.45	-24.3	-30.6	-36.8	0.06		
5.0	3.10	68.7	68.3	68.1	1.85	2.26	2.29	-24.5	-30.9	-36.6	0.06		
5.3	3.08	69.5	69.1	68.8	1.76	2.16	2.20	-24.7	-31.1	-36.6	0.06		
5.5	3.04	70.3	69.8	69.6	1.67	2.07	2.11	-24.9	-31.3	-36.5	0.07		
5.8	3.03	71.0	70.6	70.3	1.59	1.98	2.00	-25.1	-31.4	-36.6	0.08		
6.0	2.98	71.8	71.3	71.1	1.50	1.88	1.91	-25.2	-31.6	-36.6	0.10		
6.3	2.97	72.5	72.1	71.8	1.40	1.79	1.81	-25.5	-31.7	-36.4	0.12		
6.5	2.93	73.2	72.8	72.6	1.42	1.81	1.83	-25.7	-32.0	-36.3	0.14		
6.8	2.91	73.9	73.5	73.3	1.34	1.71	1.73	-25.8	-32.1	-36.6	0.15		
7.0	2.87	74.7	74.3	74.0	1.24	1.62	1.64	-25.9	-32.2	-36.3	0.18		
7.3	2.83	75.4	75.0	74.7	1.15	1.53	1.54	-26.2	-32.2	-36.4	0.20		
7.5	2.78	76.1	75.7	75.4	1.06	1.43	1.45	-26.4	-32.3	-36.2	0.22		
7.8	2.74	76.7	76.3	76.1	0.97	1.34	1.36	-26.6	-32.4	-36.3	0.24		
8.0	2.71	77.4	77.0	76.8	0.87	1.25	1.26	-26.7	-32.4	-36.2	0.26		
8.3	2.66	78.1	77.7	77.4	0.98	1.37	1.16	-27.0	-32.4	-36.2	0.28		
8.5	2.61	78.7	78.3	78.1	0.89	1.28	1.28	-27.2	-32.6	-36.2	0.30		
8.8	2.58	79.4	79.0	78.7	0.79	1.17	1.18	-27.3	-32.6	-36.2	0.31		
9.0	2.52	80.0	79.6	79.4	0.70	1.09	1.08	-27.5	-32.7	-36.1	0.33		
9.3	2.48	80.6	80.2	80.0	0.63	1.00	1.00	-27.7	-32.7	-36.0	0.34		
9.5	2.41	81.2	80.8	80.6	0.53	0.93	0.92	-27.9	-32.7	-36.1	0.35		
9.8	2.39	81.8	81.4	81.2	0.45	0.84	0.83	-27.9	-32.8	-35.9	0.37		
10.0	2.33	82.4	82.0	81.8	0.36	0.76	0.76	-28.2	-32.8	-35.8	0.37		