

Voltage Controlled Oscillator

ROS-ED9900/1

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	6.10	71.4	70.8	69.8	3.99	2.72	1.48	-23.5	-44.5	-56.6	0.90	1	-93
0.3	5.11	72.0	71.4	70.6	4.16	3.39	2.63	-23.3	-44.7	-56.0	0.84	10	-116
0.4	4.62	72.6	72.0	71.2	4.28	3.80	3.41	-23.0	-44.9	-54.1	0.75	100	-136
0.5	4.42	73.2	72.5	71.8	4.32	4.05	3.92	-22.8	-46.0	-52.4	0.65	1000	-154
0.6	4.37	73.8	73.1	72.4	4.32	4.22	4.27	-22.7	-46.5	-49.5	0.56		
0.8	4.33	74.3	73.6	73.0	4.30	4.29	4.51	-22.6	-47.2	-47.9	0.47		
0.9	4.27	74.9	74.2	73.5	4.27	4.34	4.65	-22.5	-48.4	-46.2	0.39		
1.0	4.38	75.5	74.7	74.1	4.24	4.37	4.74	-22.5	-48.7	-44.7	0.32		
1.1	4.37	76.0	75.3	74.6	4.19	4.37	4.78	-22.4	-48.7	-43.9	0.25		
1.3	4.37	76.6	75.8	75.2	4.14	4.37	4.79	-22.5	-49.0	-43.3	0.19		
1.4	4.43	77.1	76.4	75.7	4.08	4.31	4.77	-22.6	-48.8	-42.7	0.13		
1.5	4.39	77.7	76.9	76.3	4.03	4.24	4.74	-22.7	-47.8	-42.0	0.08		
1.6	4.41	78.2	77.5	76.9	3.96	4.16	4.69	-22.9	-47.1	-41.6	0.04		
1.8	4.38	78.8	78.0	77.4	3.89	4.09	4.63	-23.1	-46.5	-41.2	0.00		
1.9	4.34	79.3	78.5	78.0	3.82	4.01	4.57	-23.3	-45.9	-41.0	0.04		
2.0	4.37	79.8	79.1	78.5	3.74	3.93	4.48	-23.5	-45.1	-40.5	0.08		
2.1	4.31	80.4	79.6	79.1	3.65	3.82	4.39	-23.7	-44.2	-40.4	0.11		
2.3	4.30	80.9	80.2	79.6	3.56	3.75	4.30	-23.8	-43.3	-40.4	0.14		
2.4	4.30	81.4	80.7	80.2	3.47	3.65	4.20	-24.1	-42.8	-40.1	0.17		
2.5	4.18	81.9	81.2	80.7	3.37	3.46	4.09	-24.4	-42.2	-39.7	0.20		
2.6	4.25	82.4	81.8	81.3	3.27	3.36	3.98	-24.6	-41.6	-39.7	0.23		
2.8	4.20	82.9	82.3	81.8	3.17	3.25	3.86	-24.9	-41.0	-39.6	0.26		
2.9	4.18	83.4	82.8	82.3	3.06	3.13	3.74	-25.2	-40.7	-39.4	0.29		
3.0	4.17	83.9	83.3	82.9	2.94	2.99	3.62	-25.4	-39.9	-39.2	0.32		
3.1	4.12	84.4	83.8	83.4	2.83	2.86	3.49	-25.7	-39.3	-39.1	0.35		
3.3	4.11	84.9	84.4	83.9	2.70	2.73	3.36	-26.0	-38.9	-38.8	0.38		
3.4	4.12	85.4	84.9	84.5	2.57	2.58	3.23	-26.2	-38.4	-38.4	0.42		
3.5	4.07	85.9	85.4	85.0	2.44	2.45	3.09	-26.5	-38.1	-38.4	0.46		
3.6	4.06	86.4	85.9	85.5	2.31	2.30	2.96	-26.8	-37.8	-38.1	0.51		
3.8	4.02	86.9	86.4	86.0	2.18	2.16	2.83	-27.1	-37.1	-37.8	0.58		
3.9	4.02	87.4	86.9	86.6	2.04	2.01	2.70	-27.4	-36.8	-37.5	0.68		
4.0	4.06	87.9	87.4	87.1	1.87	1.87	2.58	-27.8	-36.4	-37.2	0.82		
4.1	4.11	88.3	87.9	87.6	1.72	1.71	2.44	-28.1	-36.1	-37.1	0.97		
4.3	4.19	88.8	88.4	88.2	1.58	1.58	2.35	-28.3	-35.8	-36.6	0.10		
4.4	4.38	89.3	89.0	88.7	1.43	1.47	2.25	-28.4	-35.5	-36.4	0.18		
4.5	4.30	89.9	89.5	89.2	1.30	1.37	2.15	-28.5	-35.6	-36.2	0.22		
4.6	4.19	90.4	90.0	89.7	1.19	1.26	2.05	-28.5	-35.4	-36.0	0.19		
4.8	4.07	90.9	90.6	90.2	1.07	1.17	1.96	-28.9	-35.4	-35.6	0.14		
4.9	3.98	91.5	91.1	90.7	0.97	1.06	1.85	-28.8	-35.0	-35.2	0.09		
5.0	3.90	92.0	91.5	91.2	0.86	0.96	1.76	-29.0	-34.9	-35.1	0.05		
5.1	3.80	92.5	92.0	91.7	0.76	0.85	1.66	-29.1	-34.9	-34.8	0.01		
5.3	3.75	92.9	92.5	92.1	0.62	0.76	1.57	-29.2	-34.8	-34.7	0.98		
5.4	3.66	93.4	92.9	92.6	0.52	0.62	1.44	-29.2	-34.5	-34.3	0.95		
5.5	3.58	93.9	93.4	93.0	0.41	0.53	1.35	-29.3	-34.6	-34.3	0.93		
5.6	3.55	94.3	93.8	93.5	0.31	0.42	1.25	-29.5	-34.5	-33.9	0.91		
5.8	3.46	94.8	94.3	93.9	0.21	0.32	1.15	-29.5	-34.4	-33.7	0.90		
5.9	3.41	95.2	94.7	94.3	0.13	0.21	1.06	-29.6	-34.2	-33.6	0.88		