

Voltage Controlled Oscillator

ROS-ED9703/1

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	9.42	77.1	76.4	75.9	5.30	5.48	5.35	-14.3	-31.4	-44.1	0.00	1	-98
0.5	9.13	79.3	78.7	78.2	4.96	5.50	5.54	-15.0	-31.3	-43.6	0.15	10	-122
0.8	8.74	81.4	80.9	80.5	5.14	5.18	4.86	-15.3	-31.2	-42.6	0.18	100	-142
1.0	7.77	83.4	82.9	82.4	5.55	5.75	5.58	-16.5	-31.6	-42.8	0.16	1000	-162
1.3	7.00	85.2	84.6	84.1	5.67	5.89	5.86	-17.2	-32.1	-42.6	0.14		
1.5	6.39	86.9	86.2	85.7	5.75	5.98	5.96	-17.8	-32.2	-42.5	0.12		
1.8	5.91	88.4	87.7	87.1	5.73	5.97	6.02	-18.4	-32.4	-42.1	0.11		
2.0	5.53	89.8	89.1	88.5	5.77	6.00	6.00	-18.8	-32.6	-42.1	0.09		
2.3	5.21	91.1	90.4	89.8	5.79	6.04	6.03	-19.2	-32.8	-41.7	0.08		
2.5	4.97	92.3	91.6	91.0	5.81	6.05	6.06	-19.7	-32.8	-41.4	0.07		
2.8	4.75	93.5	92.8	92.2	5.83	6.09	6.07	-20.0	-32.9	-41.4	0.07		
3.0	4.58	94.7	93.9	93.4	5.83	6.08	6.09	-20.4	-33.0	-41.2	0.06		
3.3	4.42	95.8	95.0	94.5	5.80	6.07	6.08	-20.6	-33.1	-40.9	0.06		
3.5	4.29	96.9	96.1	95.5	5.77	6.04	6.07	-20.9	-33.1	-40.9	0.05		
3.8	4.18	97.9	97.2	96.6	5.87	6.02	6.03	-21.2	-33.2	-40.6	0.05		
4.0	4.09	98.9	98.2	97.6	5.82	6.10	6.13	-21.4	-33.2	-40.6	0.04		
4.3	4.01	100.0	99.2	98.6	5.77	6.06	6.08	-21.6	-33.3	-40.4	0.04		
4.5	3.94	100.9	100.2	99.6	5.71	6.00	6.03	-21.9	-33.3	-40.2	0.03		
4.8	3.88	101.9	101.1	100.5	5.63	5.94	5.97	-22.0	-33.2	-39.8	0.03		
5.0	3.82	102.9	102.1	101.5	5.49	5.86	5.89	-22.2	-33.1	-39.8	0.03		
5.3	3.75	103.8	103.0	102.4	5.40	5.72	5.81	-22.3	-33.0	-39.4	0.03		
5.5	3.71	104.7	104.0	103.4	5.31	5.63	5.67	-22.5	-33.1	-39.4	0.03		
5.8	3.66	105.6	104.9	104.3	5.20	5.53	5.58	-22.6	-33.1	-39.2	0.04		
6.0	3.59	106.5	105.8	105.2	5.08	5.42	5.47	-22.7	-33.0	-39.0	0.04		
6.3	3.54	107.4	106.7	106.1	4.97	5.31	5.37	-22.8	-33.0	-38.9	0.04		
6.5	3.47	108.3	107.5	106.9	4.89	5.25	5.25	-22.9	-32.8	-38.8	0.05		
6.8	3.39	109.1	108.4	107.8	4.76	5.13	5.18	-22.9	-32.7	-38.3	0.05		
7.0	3.35	109.9	109.2	108.6	4.64	5.00	5.06	-23.0	-32.6	-38.2	0.06		
7.3	3.25	110.8	110.0	109.5	4.50	4.86	4.92	-23.0	-32.5	-37.9	0.06		
7.5	3.18	111.5	110.8	110.3	4.37	4.74	4.79	-23.0	-32.3	-37.6	0.07		
7.8	3.10	112.3	111.6	111.0	4.24	4.61	4.66	-23.0	-32.1	-37.3	0.07		
8.0	3.00	113.1	112.4	111.8	4.19	4.48	4.54	-23.1	-32.0	-37.0	0.07		
8.3	2.92	113.8	113.1	112.5	4.06	4.44	4.50	-23.0	-31.9	-36.7	0.08		
8.5	2.83	114.5	113.8	113.2	3.93	4.31	4.37	-23.0	-31.9	-36.6	0.08		
8.8	2.73	115.2	114.5	113.9	3.80	4.18	4.25	-22.9	-31.7	-36.5	0.08		
9.0	2.64	115.8	115.1	114.6	3.66	4.05	4.13	-23.0	-31.4	-36.2	0.08		
9.3	2.54	116.5	115.8	115.2	3.53	3.93	4.00	-23.0	-31.4	-36.0	0.08		
9.5	2.44	117.1	116.4	115.8	3.41	3.81	3.88	-22.9	-31.2	-35.9	0.08		
9.8	2.35	117.6	117.0	116.4	3.33	3.69	3.77	-22.9	-31.1	-35.5	0.08		
10.0	2.25	118.2	117.5	117.0	3.21	3.63	3.65	-22.8	-30.9	-35.5	0.07		