

Voltage Controlled Oscillator

UOS-EDR5454

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	6.95	90.9	89.6	89.0	3.41	3.12	2.86	-27.7	-45.4	-54.2	-0.13	1	-85
0.5	5.58	92.3	91.0	90.5	3.54	3.22	2.95	-28.2	-46.2	-54.2	-0.10	10	-114
0.8	4.42	93.3	92.1	91.6	3.63	3.28	3.00	-28.6	-46.6	-53.8	-0.09	100	-132
1.0	3.76	94.2	93.0	92.5	3.69	3.33	3.04	-29.0	-47.0	-53.7	-0.08	1000	-143
1.3	3.30	95.0	93.8	93.4	3.74	3.36	3.07	-29.2	-47.3	-53.8	-0.08		
1.5	2.99	95.7	94.6	94.1	3.77	3.37	3.08	-29.5	-47.7	-53.9	-0.07		
1.8	2.74	96.4	95.3	94.8	3.79	3.38	3.09	-29.6	-48.1	-54.1	-0.07		
2.0	2.54	97.0	95.9	95.5	3.81	3.39	3.09	-29.8	-48.5	-54.4	-0.07		
2.3	2.39	97.5	96.5	96.1	3.81	3.38	3.08	-29.9	-48.9	-54.4	-0.07		
2.5	2.27	98.1	97.1	96.7	3.81	3.37	3.07	-30.0	-49.2	-54.7	-0.07		
2.8	2.16	98.6	97.6	97.2	3.80	3.36	3.05	-30.1	-49.7	-54.7	-0.06		
3.0	2.07	99.1	98.1	97.7	3.78	3.34	3.03	-30.2	-50.2	-54.9	-0.06		
3.3	2.00	99.6	98.6	98.2	3.76	3.31	3.00	-30.3	-50.5	-55.0	-0.06		
3.5	1.93	100.1	99.1	98.7	3.73	3.28	2.97	-30.4	-51.0	-55.3	-0.06		
3.8	1.87	100.5	99.6	99.2	3.70	3.25	2.94	-30.5	-51.3	-55.2	-0.06		
4.0	1.81	101.0	100.0	99.6	3.67	3.22	2.90	-30.5	-51.7	-55.3	-0.06		
4.3	1.76	101.4	100.5	100.1	3.63	3.18	2.86	-30.6	-52.0	-55.2	-0.06		
4.5	1.72	101.8	100.9	100.5	3.59	3.13	2.82	-30.7	-52.3	-55.1	-0.06		
4.8	1.66	102.2	101.3	100.9	3.55	3.09	2.77	-30.7	-52.6	-55.3	-0.06		
5.0	1.61	102.6	101.7	101.4	3.50	3.04	2.72	-30.8	-52.9	-55.0	-0.06		
5.3	1.55	103.0	102.1	101.7	3.45	2.99	2.67	-30.8	-53.0	-54.9	-0.06		
5.5	1.49	103.3	102.5	102.1	3.39	2.94	2.62	-30.9	-53.3	-55.0	-0.06		
5.8	1.42	103.7	102.8	102.5	3.34	2.90	2.57	-31.0	-53.4	-54.6	-0.06		
6.0	1.36	104.0	103.2	102.8	3.29	2.85	2.52	-31.0	-53.6	-54.5	-0.06		
6.3	1.28	104.3	103.5	103.2	3.24	2.80	2.47	-31.1	-53.6	-54.6	-0.06		
6.5	1.21	104.6	103.8	103.5	3.19	2.75	2.42	-31.1	-53.8	-54.5	-0.06		
6.8	1.14	104.9	104.1	103.7	3.14	2.70	2.37	-31.2	-53.7	-54.4	-0.06		
7.0	1.07	105.2	104.3	104.0	3.09	2.65	2.32	-31.2	-53.8	-54.3	-0.06		