

Voltage Controlled Oscillator

UOS-EDR5813

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	11.59	92.3	91.0	90.3	1.20	0.96	0.65	-33.2	-47.4	-54.5	-0.10	1	-86
0.5	9.08	94.4	93.3	92.6	1.16	0.95	0.65	-33.9	-48.1	-55.2	-0.08	10	-110
0.8	7.57	96.3	95.2	94.6	1.05	0.87	0.56	-34.6	-48.3	-55.5	-0.08	100	-130
1.0	6.57	97.9	96.8	96.3	0.89	0.73	0.43	-35.1	-50.3	-54.7	-0.07	1000	-142
1.3	5.84	99.3	98.3	97.8	0.70	0.57	0.26	-35.7	-50.2	-55.5	-0.07		
1.5	5.28	100.6	99.6	99.1	0.49	0.40	0.09	-36.0	-49.4	-54.7	-0.07		
1.8	4.84	101.8	100.8	100.4	0.26	0.21	-0.11	-36.3	-50.4	-55.0	-0.07		
2.0	4.48	102.9	101.9	101.5	0.04	0.01	-0.33	-36.5	-47.8	-54.3	-0.07		
2.3	4.16	103.9	103.0	102.6	-0.20	-0.21	-0.55	-36.7	-49.9	-53.3	-0.07		
2.5	3.91	104.8	104.0	103.6	-0.44	-0.41	-0.77	-37.1	-48.8	-53.9	-0.07		
2.8	3.67	105.8	104.9	104.5	-0.68	-0.62	-0.99	-37.2	-49.9	-52.2	-0.07		
3.0	3.46	106.6	105.8	105.4	-0.91	-0.85	-1.20	-37.1	-50.6	-53.1	-0.07		
3.3	3.26	107.4	106.6	106.2	-1.14	-1.05	-1.42	-37.1	-50.5	-52.9	-0.08		
3.5	3.07	108.2	107.3	107.0	-1.37	-1.25	-1.63	-37.6	-48.7	-52.1	-0.08		
3.8	2.88	108.9	108.1	107.7	-1.58	-1.46	-1.84	-37.5	-49.8	-53.3	-0.08		
4.0	2.71	109.6	108.7	108.4	-1.78	-1.66	-2.03	-37.4	-49.4	-52.0	-0.08		
4.3	2.53	110.2	109.4	109.1	-1.99	-1.84	-2.22	-37.9	-50.5	-52.6	-0.08		
4.5	2.36	110.8	110.0	109.7	-2.17	-2.02	-2.41	-37.5	-49.0	-51.8	-0.08		
4.8	2.19	111.3	110.5	110.2	-2.35	-2.17	-2.57	-37.5	-49.4	-52.5	-0.08		
5.0	2.04	111.9	111.0	110.8	-2.51	-2.33	-2.74	-38.0	-48.9	-51.7	-0.08		