

Voltage Controlled Oscillator

UOS-EDR5543/1

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	38.14	315.7	312.4	309.9	-0.07	-0.37	-0.88	-22.0	-35.9	-52.4	-0.51	1	-90
0.5	35.33	324.2	321.2	318.8	-0.29	-0.49	-0.84	-23.4	-36.5	-50.6	-0.64	10	-109
0.8	33.28	332.4	329.5	327.2	-0.36	-0.59	-0.92	-24.1	-37.8	-49.5	-0.60	100	-130
1.0	29.44	339.7	336.9	334.4	-0.39	-0.63	-0.94	-24.9	-38.5	-48.2	-0.45	1000	-150
1.3	26.11	346.2	343.4	341.0	-0.47	-0.68	-0.99	-25.6	-39.3	-47.5	-0.38		
1.5	24.06	352.2	349.4	347.0	-0.60	-0.77	-1.05	-26.1	-39.9	-46.6	-0.32		
1.8	22.40	357.7	355.0	352.6	-0.72	-0.90	-1.14	-26.5	-40.4	-46.1	-0.29		
2.0	21.16	363.0	360.3	357.9	-0.82	-1.03	-1.23	-27.2	-41.3	-45.8	-0.27		
2.3	20.10	368.0	365.4	362.9	-0.95	-1.15	-1.30	-28.1	-41.9	-44.9	-0.26		
2.5	19.02	372.8	370.1	367.7	-1.08	-1.26	-1.36	-29.1	-42.3	-45.0	-0.26		
2.8	18.43	377.3	374.7	372.3	-1.15	-1.33	-1.40	-29.9	-42.8	-44.9	-0.26		
3.0	17.66	381.7	379.1	376.7	-1.15	-1.38	-1.43	-30.6	-43.0	-44.4	-0.26		
3.3	16.69	385.8	383.3	380.9	-1.23	-1.44	-1.47	-31.3	-42.8	-44.2	-0.22		
3.5	16.03	389.8	387.3	384.9	-1.29	-1.53	-1.56	-32.0	-42.3	-44.3	-0.22		
3.8	15.28	393.6	391.1	388.8	-1.39	-1.62	-1.64	-32.8	-41.5	-43.8	-0.22		
4.0	14.42	397.2	394.7	392.4	-1.49	-1.69	-1.71	-33.9	-40.3	-43.9	-0.23		
4.3	13.40	400.6	398.1	395.9	-1.57	-1.77	-1.80	-34.9	-39.6	-44.2	-0.24		
4.5	12.50	403.6	401.2	399.1	-1.60	-1.83	-1.90	-36.0	-39.2	-44.7	-0.26		
4.8	11.78	406.4	404.2	402.1	-1.65	-1.87	-1.96	-37.3	-38.8	-44.3	-0.32		
5.0	10.75	409.1	406.8	404.9	-1.70	-1.88	-1.98	-38.8	-38.8	-44.3	-0.32		
5.3	10.62	411.7	409.5	407.5	-1.70	-1.88	-2.00	-40.2	-38.8	-44.4	-0.30		
5.5	10.11	414.3	412.0	410.0	-1.77	-1.89	-2.01	-41.2	-39.0	-44.2	-0.29		
5.8	9.69	416.7	414.5	412.4	-1.79	-1.92	-2.03	-42.1	-39.1	-44.3	-0.29		
6.0	9.22	419.0	416.8	414.7	-1.87	-1.95	-2.06	-43.0	-39.4	-44.1	-0.28		
6.3	8.72	421.2	418.9	416.9	-1.91	-1.99	-2.09	-43.9	-39.6	-43.7	-0.26		
6.5	8.23	423.2	421.0	418.9	-1.97	-2.03	-2.14	-44.6	-39.6	-43.6	-0.25		
6.8	7.75	425.1	422.9	420.9	-2.03	-2.07	-2.17	-45.5	-39.6	-43.5	-0.24		
7.0	7.30	426.9	424.8	422.7	-2.07	-2.11	-2.22	-46.3	-39.6	-43.6	-0.23		