

Voltage Controlled Oscillator

UOS-EDR5542/1

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	45.77	381.9	377.7	375.4	-0.86	-1.38	-2.45	-23.8	-47.3	-51.2	-0.62	1	-85
0.5	39.18	391.6	387.5	385.1	-1.00	-1.43	-2.20	-26.5	-48.0	-50.0	-0.47	10	-109
0.8	33.72	399.9	395.9	393.6	-1.10	-1.52	-2.12	-26.2	-48.0	-48.5	-0.39	100	-129
1.0	30.00	407.3	403.4	401.1	-1.21	-1.60	-2.12	-27.6	-47.6	-48.2	-0.34	1000	-147
1.3	27.53	414.1	410.3	408.0	-1.34	-1.68	-2.11	-29.0	-47.9	-47.6	-0.31		
1.5	25.59	420.4	416.7	414.5	-1.47	-1.77	-2.13	-28.5	-47.1	-47.1	-0.28		
1.8	24.06	426.4	422.7	420.5	-1.60	-1.89	-2.19	-29.3	-47.3	-47.0	-0.27		
2.0	22.84	432.0	428.4	426.2	-1.74	-2.03	-2.29	-31.2	-46.2	-46.2	-0.25		
2.3	21.67	437.4	433.9	431.7	-1.91	-2.15	-2.39	-31.6	-44.6	-46.0	-0.24		
2.5	20.77	442.6	439.0	436.9	-2.06	-2.27	-2.47	-30.9	-45.2	-45.4	-0.24		
2.8	19.86	447.6	444.0	441.9	-2.16	-2.37	-2.55	-30.9	-44.6	-45.4	-0.23		
3.0	19.02	452.3	448.8	446.7	-2.23	-2.46	-2.61	-32.4	-43.8	-45.1	-0.23		
3.3	18.18	456.8	453.3	451.3	-2.30	-2.51	-2.67	-33.5	-43.5	-45.0	-0.23		
3.5	17.34	461.1	457.6	455.6	-2.35	-2.57	-2.70	-34.0	-42.7	-44.9	-0.22		
3.8	16.50	465.2	461.8	459.8	-2.40	-2.62	-2.74	-34.3	-42.1	-44.6	-0.22		
4.0	15.66	469.1	465.7	463.7	-2.49	-2.68	-2.81	-34.9	-42.2	-44.5	-0.21		
4.3	14.80	472.8	469.4	467.4	-2.58	-2.75	-2.86	-35.6	-42.0	-44.2	-0.21		
4.5	13.96	476.3	472.9	470.9	-2.64	-2.86	-2.94	-35.9	-41.4	-44.1	-0.20		
4.8	13.14	479.5	476.2	474.3	-2.72	-2.96	-3.04	-36.1	-41.0	-43.8	-0.19		
5.0	12.23	482.5	479.2	477.4	-2.81	-3.01	-3.11	-36.0	-40.8	-43.6	-0.18		
5.3	11.48	485.4	482.1	480.2	-2.87	-3.07	-3.15	-36.3	-40.4	-43.8	-0.17		
5.5	10.79	488.1	484.8	482.9	-2.92	-3.12	-3.22	-36.8	-39.7	-43.7	-0.17		
5.8	10.07	490.6	487.3	485.5	-2.97	-3.18	-3.29	-37.5	-39.4	-43.4	-0.16		
6.0	9.39	492.9	489.7	487.9	-3.01	-3.22	-3.34	-38.1	-39.5	-43.1	-0.14		
6.3	8.76	495.0	491.8	490.1	-3.06	-3.27	-3.37	-38.5	-39.7	-42.9	-0.14		
6.5	8.20	497.1	493.9	492.1	-3.08	-3.31	-3.43	-38.7	-40.0	-42.9	-0.13		
6.8	7.68	499.0	495.8	494.1	-3.13	-3.34	-3.45	-38.9	-39.9	-42.8	-0.12		
7.0	7.20	500.8	497.6	495.9	-3.15	-3.38	-3.50	-38.9	-39.5	-42.8	-0.12		