

Voltage Controlled Oscillator

UOS-EDR5861/1

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	25.54	2139.8	2135.6	2130.8	6.42	5.08	3.48	-30.7	-50.2	-40.2	0.17	1	-79
0.5	23.92	2145.8	2141.6	2136.7	6.36	5.04	3.48	-30.6	-51.0	-40.8	0.17	10	-102
0.8	23.16	2151.7	2147.4	2142.3	6.30	5.00	3.47	-30.5	-51.8	-40.4	0.17	100	-121
1.0	22.89	2157.6	2153.1	2147.8	6.25	4.97	3.45	-30.4	-52.6	-39.4	0.16	1000	-145
1.3	22.88	2163.4	2158.8	2153.4	6.21	4.96	3.46	-30.3	-53.2	-38.8	0.15		
1.5	23.03	2169.4	2164.6	2158.9	6.17	4.95	3.47	-30.2	-54.3	-38.7	0.14		
1.8	23.37	2175.5	2170.4	2164.5	6.14	4.95	3.48	-30.1	-55.5	-38.5	0.13		
2.0	23.89	2181.8	2176.4	2170.2	6.13	4.96	3.50	-30.0	-56.4	-38.2	0.11		
2.3	24.46	2188.3	2182.5	2176.1	6.12	4.98	3.52	-30.0	-57.9	-37.5	0.10		
2.5	25.11	2195.0	2188.8	2182.1	6.11	4.98	3.54	-29.9	-59.2	-37.2	0.08		
2.8	25.65	2201.8	2195.2	2188.3	6.08	4.97	3.55	-29.8	-60.7	-36.6	0.05		
3.0	26.15	2208.7	2201.8	2194.6	6.03	4.94	3.54	-29.7	-61.8	-36.1	0.03		
3.3	26.55	2215.7	2208.4	2201.0	5.99	4.93	3.51	-29.6	-61.7	-35.5	0.00		
3.5	26.81	2222.8	2215.1	2207.6	5.97	4.93	3.49	-29.6	-61.2	-35.2	-0.03		
3.8	26.91	2229.9	2221.8	2214.2	5.98	4.94	3.47	-29.6	-60.3	-35.2	-0.06		
4.0	26.96	2236.9	2228.6	2220.8	6.01	4.97	3.48	-29.6	-59.7	-34.7	-0.08		
4.3	26.84	2244.0	2235.3	2227.4	6.03	5.00	3.50	-29.7	-59.0	-34.5	-0.11		
4.5	26.68	2250.9	2241.9	2234.0	6.00	4.98	3.52	-29.5	-57.5	-34.5	-0.13		
4.8	26.49	2257.8	2248.6	2240.6	6.00	4.99	3.47	-29.5	-55.8	-34.2	-0.16		
5.0	26.21	2264.6	2255.1	2247.2	5.98	4.97	3.46	-29.4	-55.6	-33.7	-0.18		
5.3	25.90	2271.2	2261.6	2253.6	5.99	4.96	3.43	-29.4	-54.8	-33.7	-0.19		
5.5	25.54	2277.8	2268.0	2260.1	5.99	4.96	3.40	-29.5	-54.3	-33.8	-0.21		
5.8	25.30	2284.3	2274.3	2266.4	5.98	4.94	3.37	-29.6	-53.2	-33.9	-0.23		
6.0	25.07	2290.8	2280.6	2272.7	5.99	4.94	3.32	-29.7	-53.2	-33.8	-0.24		
6.3	24.96	2297.2	2286.8	2278.9	6.00	4.95	3.28	-29.6	-53.0	-33.6	-0.25		
6.5	24.74	2303.4	2293.0	2285.1	5.99	4.95	3.25	-29.5	-52.2	-33.6	-0.26		
6.8	24.40	2309.6	2299.1	2291.3	5.98	4.93	3.22	-29.3	-51.9	-33.4	-0.27		
7.0	24.15	2315.7	2305.1	2297.4	5.97	4.91	3.17	-29.3	-51.8	-33.6	-0.28		