

Voltage Controlled Oscillator

ROS-ED10321/1

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			
0.2	23.67	2063.3	2053.5	2046.9	-1.91	-1.87	-4.22	-32.0	-26.2	-37.8	0.74	1	-82
0.3	22.53	2066.6	2056.9	2050.3	-1.89	-1.83	-3.96	-32.1	-26.1	-37.4	0.74	10	-105
0.5	21.80	2069.8	2060.2	2053.5	-1.93	-1.84	-3.75	-31.3	-26.0	-38.6	0.78	100	-125
0.6	21.20	2072.9	2063.4	2056.6	-1.95	-1.86	-3.55	-31.1	-25.5	-38.2	0.78	1000	-140
0.8	20.67	2076.0	2066.5	2059.7	-1.93	-1.84	-3.41	-31.3	-25.3	-37.5	0.78		
0.9	20.33	2079.1	2069.5	2062.7	-1.97	-1.85	-3.33	-31.5	-25.1	-38.0	0.84		
1.1	20.20	2082.1	2072.5	2065.7	-1.94	-1.89	-3.19	-31.7	-25.1	-37.4	0.84		
1.2	20.27	2085.2	2075.6	2068.7	-1.97	-1.86	-3.12	-30.9	-24.8	-37.0	0.84		
1.4	20.20	2088.3	2078.6	2071.7	-2.00	-1.85	-3.01	-31.5	-24.7	-36.4	0.84		
1.5	20.33	2091.4	2081.7	2074.6	-1.98	-1.84	-2.98	-31.3	-24.5	-37.7	0.84		
1.7	20.47	2094.5	2084.7	2077.6	-1.98	-1.87	-2.92	-31.4	-24.3	-37.1	0.84		
1.8	20.73	2097.6	2087.8	2080.6	-1.99	-1.88	-2.84	-30.8	-24.2	-36.7	0.84		
2.0	20.93	2100.8	2091.0	2083.7	-1.97	-1.84	-2.82	-31.6	-24.2	-36.6	0.84		
2.1	21.00	2104.1	2094.1	2086.8	-1.97	-1.82	-2.73	-31.2	-23.9	-36.0	0.84		
2.3	21.53	2107.4	2097.4	2090.0	-1.95	-1.78	-2.71	-31.3	-23.8	-35.6	0.88		
2.4	21.87	2110.7	2100.6	2093.2	-1.92	-1.80	-2.65	-31.0	-23.6	-35.1	0.90		
2.6	22.07	2114.1	2103.9	2096.4	-1.91	-1.80	-2.59	-31.3	-23.4	-34.3	0.84		
2.7	22.53	2117.5	2107.3	2099.7	-1.87	-1.76	-2.57	-31.5	-23.2	-35.0	0.84		
2.9	22.67	2121.0	2110.7	2103.0	-1.85	-1.73	-2.53	-31.1	-23.1	-34.4	0.90		
3.0	23.13	2124.5	2114.2	2106.4	-1.81	-1.71	-2.45	-31.4	-22.9	-34.4	0.88		
3.2	23.40	2128.1	2117.7	2109.8	-1.77	-1.65	-2.38	-31.5	-22.7	-34.7	0.88		
3.3	23.80	2131.8	2121.3	2113.3	-1.75	-1.62	-2.34	-31.3	-22.9	-34.4	0.84		
3.5	24.00	2135.4	2124.9	2116.9	-1.66	-1.59	-2.29	-31.5	-22.8	-34.1	0.84		
3.6	24.20	2139.1	2128.5	2120.4	-1.61	-1.54	-2.20	-31.8	-22.6	-34.7	0.88		
3.8	24.47	2142.9	2132.2	2124.0	-1.52	-1.49	-2.15	-31.4	-22.6	-35.5	0.90		
3.9	24.67	2146.6	2135.9	2127.7	-1.48	-1.41	-2.05	-31.4	-22.7	-34.7	0.90		
4.1	24.73	2150.4	2139.6	2131.3	-1.39	-1.33	-2.01	-31.6	-22.7	-34.5	0.84		
4.2	24.93	2154.2	2143.3	2135.0	-1.29	-1.26	-1.91	-31.7	-22.9	-34.0	0.90		
4.4	24.80	2158.0	2147.0	2138.7	-1.19	-1.21	-1.83	-31.3	-22.5	-33.9	0.84		
4.5	24.93	2161.7	2150.8	2142.4	-1.15	-1.11	-1.76	-31.7	-22.3	-34.3	0.90		
4.7	25.00	2165.5	2154.5	2146.1	-1.04	-1.00	-1.65	-31.9	-22.5	-33.7	0.84		
4.8	24.73	2169.3	2158.2	2149.7	-0.93	-0.88	-1.56	-31.1	-22.6	-33.5	0.84		
5.0	24.93	2173.1	2162.0	2153.4	-0.84	-0.83	-1.43	-31.5	-22.7	-33.6	0.82		
5.1	24.60	2176.8	2165.7	2157.0	-0.81	-0.71	-1.35	-31.5	-22.6	-33.4	0.84		
5.3	24.60	2180.5	2169.4	2160.7	-0.72	-0.61	-1.24	-31.2	-22.5	-34.0	0.84		
5.4	24.47	2184.2	2173.0	2164.3	-0.65	-0.50	-1.11	-31.5	-22.6	-34.0	0.78		
5.6	24.33	2187.9	2176.7	2167.9	-0.59	-0.47	-0.99	-31.4	-22.7	-34.1	0.76		
5.7	24.00	2191.6	2180.3	2171.5	-0.58	-0.37	-0.92	-31.5	-22.8	-34.2	0.82		
5.9	23.93	2195.2	2183.9	2175.1	-0.54	-0.30	-0.82	-31.3	-22.8	-33.9	0.78		
6.0	23.87	2198.8	2187.5	2178.6	-0.48	-0.27	-0.74	-31.7	-23.0	-34.1	0.84		