

Voltage Controlled Oscillator

ROS-ED10330/1

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	36.75	2176.4	2165.7	2155.0	2.13	2.58	2.04	-22.6	-28.6	-32.9	0.76	1	-78
0.4	32.50	2182.5	2172.2	2161.9	2.17	2.60	2.05	-22.8	-28.6	-33.3	0.82	10	-101
0.6	29.25	2188.1	2178.1	2167.9	2.22	2.63	2.08	-22.9	-28.4	-33.5	0.94	100	-122
0.8	27.30	2193.3	2183.5	2173.4	2.27	2.67	2.11	-23.2	-28.0	-33.3	1.00	1000	-140
1.0	25.40	2198.2	2188.6	2178.6	2.32	2.70	2.14	-23.3	-27.8	-33.5	1.04		
1.2	24.10	2202.9	2193.4	2183.6	2.36	2.74	2.18	-23.5	-27.9	-33.6	1.00		
1.4	23.10	2207.4	2198.1	2188.2	2.39	2.79	2.22	-23.7	-27.5	-33.8	1.04		
1.6	22.20	2211.8	2202.5	2192.7	2.43	2.81	2.26	-23.9	-27.7	-33.4	1.04		
1.8	21.35	2216.0	2206.8	2197.0	2.47	2.86	2.30	-23.9	-27.7	-34.8	1.12		
2.0	21.00	2220.2	2211.0	2201.1	2.52	2.92	2.35	-24.0	-27.6	-35.7	1.12		
2.2	20.25	2224.2	2215.0	2205.2	2.55	2.96	2.40	-24.2	-27.3	-36.2	1.08		
2.4	20.00	2228.2	2219.0	2209.2	2.58	3.00	2.45	-24.4	-27.1	-39.4	1.14		
2.6	19.60	2232.1	2222.9	2213.1	2.61	3.04	2.50	-24.6	-27.3	-43.9	1.16		
2.8	19.30	2235.9	2226.8	2216.9	2.63	3.06	2.53	-24.6	-27.3	-47.0	1.20		
3.0	18.90	2239.7	2230.6	2220.7	2.65	3.09	2.58	-24.9	-27.5	-41.9	1.18		
3.2	18.95	2243.4	2234.4	2224.5	2.67	3.12	2.62	-25.1	-27.2	-39.9	1.18		
3.4	18.60	2247.1	2238.1	2228.2	2.68	3.14	2.66	-25.3	-27.1	-37.4	1.14		
3.6	18.30	2250.8	2241.7	2231.8	2.69	3.15	2.68	-25.3	-27.0	-36.6	1.22		
3.8	18.30	2254.5	2245.4	2235.5	2.70	3.17	2.71	-25.4	-27.4	-35.8	1.20		
4.0	18.20	2258.1	2249.0	2239.1	2.72	3.18	2.74	-25.7	-27.4	-36.1	1.22		
4.2	18.20	2261.8	2252.7	2242.6	2.72	3.20	2.76	-25.6	-27.4	-35.8	1.20		
4.4	17.95	2265.4	2256.3	2246.2	2.72	3.19	2.78	-25.8	-27.7	-35.7	1.26		
4.6	18.10	2269.0	2259.9	2249.8	2.72	3.21	2.80	-26.0	-27.8	-37.0	1.20		
4.8	17.95	2272.6	2263.5	2253.3	2.73	3.22	2.82	-26.1	-28.3	-37.6	1.26		
5.0	17.95	2276.2	2267.1	2256.9	2.70	3.21	2.82	-26.3	-28.7	-36.7	1.26		
5.2	17.95	2279.8	2270.7	2260.4	2.71	3.21	2.83	-26.4	-28.8	-35.9	1.30		
5.4	17.90	2283.4	2274.2	2264.0	2.71	3.22	2.85	-26.7	-29.4	-35.5	1.30		
5.6	18.00	2287.0	2277.8	2267.6	2.68	3.23	2.86	-26.9	-29.6	-36.3	1.30		
5.8	17.95	2290.7	2281.4	2271.1	2.69	3.21	2.85	-27.1	-30.0	-36.2	1.32		
6.0	18.05	2294.3	2285.0	2274.7	2.68	3.22	2.86	-27.4	-30.3	-36.3	1.30		
6.2	18.10	2298.0	2288.7	2278.3	2.69	3.22	2.88	-27.7	-30.6	-36.7	1.30		
6.4	18.20	2301.7	2292.3	2281.9	2.68	3.20	2.86	-27.8	-31.0	-36.4	1.32		
6.6	18.35	2305.4	2296.0	2285.5	2.69	3.20	2.87	-28.0	-31.3	-36.9	1.32		
6.8	18.35	2309.1	2299.6	2289.1	2.70	3.20	2.88	-28.2	-31.2	-36.7	1.34		
7.0	18.50	2312.8	2303.3	2292.8	2.70	3.20	2.88	-28.5	-31.4	-37.2	1.30		
7.2	18.80	2316.5	2307.1	2296.4	2.69	3.19	2.87	-28.8	-31.3	-37.2	1.32		
7.4	18.80	2320.3	2310.9	2300.1	2.68	3.19	2.87	-28.9	-31.4	-36.8	1.36		
7.6	19.00	2324.0	2314.7	2303.8	2.66	3.19	2.87	-29.4	-31.3	-36.7	1.30		
7.8	19.00	2327.9	2318.5	2307.6	2.63	3.18	2.86	-29.5	-31.7	-37.5	1.30		
8.0	19.05	2331.7	2322.3	2311.4	2.60	3.16	2.84	-29.9	-31.1	-37.6	1.38		