Voltage Controlled Oscillator ROS-ED10500/2

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55ºC	+25ºC	+85ºC	-55ºC	+25ºC	+85ºC	F2	F3	F4	
0.1	141.54	1892.5	1869.7	1860.1	0.55	0.00	-1.62	-39.2	-30.4	-41.8	4.81
0.3	125.18	1907.3	1885.3	1876.0	0.69	0.24	-1.37	-40.7	-30.0	-41.8	3.71
0.4	113.75	1921.0	1899.5	1890.4	0.67	0.42	-0.95	-39.3	-29.9	-40.3	2.98
0.5	106.77	1934.0	1912.9	1903.7	0.66	0.51	-0.66	-39.7	-29.0	-40.7	2.52
0.6	100.26	1946.1	1925.4	1916.1	0.62	0.51	-0.52	-40.7	-29.5	-40.7	2.16
0.8	95.26	1957.8	1937.3	1928.0	0.47	0.49	-0.49	-39.5	-29.4	-40.7	1.80
0.9	91.42	1969.1	1948.7	1939.4	0.39	0.38	-0.47	-40.2	-29.1	-41.8	1.56
1.0	87.40	1980.0	1959.7	1950.3	0.39	0.30	-0.51	-40.4	-29.8	-40.1	1.32
1.1	85.42	1990.4	1970.3	1960.8	0.32	0.23	-0.57	-40.8	-29.5	-41.1	1.13
1.3	81.84	2000.5	1980.6	1971.0	0.36	0.23	-0.62	-39.1	-29.5	-40.4	0.93
1.4	79.12	2010.3	1990.5	1981.0	0.43	0.16	-0.59	-41.0	-29.3	-39.9	0.78
1.5	76.76	2019.8	2000.1	1990.5	0.53	0.20	-0.62	-41.0	-29.5	-40.9	0.61
1.6	74.40	2029.0	2009.4	1999.8	0.64	0.28	-0.55	-41.2	-29.1	-40.9	0.50
1.8	72.96	2038.1	2018.5	2008.8	0.75	0.38	-0.46	-41.4	-29.3	-41.1	0.40
1.9	71.28	2046.9	2027.4	2017.7	0.80	0.44	-0.34	-40.7	-29.5	-39.8	0.32
2.0	69.60	2055.7	2036.1	2026.4	0.88	0.56	-0.26	-41.9	-28.9	-40.9	0.20
2.1	68.16	2064.3	2044.6	2034.8	0.91	0.66	-0.14	-41.9	-29.4	-40.2	0.10
2.3	66.80	2072.7	2053.0	2043.1	0.94	0.74	-0.02	-41.7	-29.1	-41.9	0.00
2.4	66.40	2081.0	2061.3	2051.3	0.98	0.78	0.01	-41.9	-29.6	-43.8	0.06
2.5	65.36	2089.2	2069.4	2059.4	0.95	0.82	0.12	-42.3	-29.2	-45.0	0.16
2.6	64.64	2097.2	2077.5	2067.3	0.95	0.83	0.12	-43.4	-29.8	-43.3	0.26
2.8	62.80	2105.1	2085.4	2075.2	0.87	0.78	0.16	-42.8	-29.4	-43.0	0.32
2.9	62.56	2113.0	2093.2	2082.9	0.77	0.82	0.14	-42.7	-30.2	-41.8	0.34
3.0	61.04	2120.6	2100.8	2090.5	0.75	0.76	0.19	-43.4	-29.7	-41.4	0.42
3.1	60.32	2128.2	2108.3	2098.0	0.67	0.69	0.14	-43.4	-30.0	-41.6	0.56
3.3	59.92	2135.7	2115.8	2105.4	0.68	0.65	0.13	-43.9	-30.7	-40.8	0.58
3.4	58.72	2143.2	2123.2	2112.7	0.68	0.57	0.04	-43.2	-31.2	-42.2	0.62
3.5	58.08	2150.5	2130.4	2119.9	0.67	0.56	0.01	-43.6	-31.4	-42.1	0.72
3.6	57.60	2157.9	2137.6	2127.0	0.68	0.52	-0.01	-44.9	-32.0	-42.3	0.78
3.8	56.96	2165.0	2144.8	2134.0	0.71	0.56	-0.06	-44.6	-32.8	-41.6	0.84
3.9	56.80	2172.1	2151.9	2141.0	0.73	0.55	-0.06	-45.4	-33.6	-40.9	0.88
4.0	56.40	2179.1	2158.9	2147.9	0.79	0.55	-0.07	-44.5	-33.5	-41.4	0.94
4.1	55.52	2186.2	2165.8	2154.8	0.80	0.58	-0.01	-45.4	-33.5	-42.5	0.94
4.3	54.80	2193.1	2172.7	2161.6	0.90	0.61	-0.04	-45.6	-34.2	-42.3	1.04
4.4	54.08	2199.9	2179.5	2168.4	0.96	0.66	0.00	-44.7	-34.8	-43.4	1.10
4.5	54.00	2206.8	2186.2	2175.1	1.02	0.68	0.02	-44.8	-34.8	-44.1	1.08
4.6	53.68	2213.5	2192.9	2181.7	1.07	0.77	0.07	-45.0	-34.3	-42.8	1.20
4.8	53.28	2220.2	2199.6	2188.3	1.18	0.84	0.15	-45.4	-35.1	-43.1	1.22
4.9	52.88	2226.8	2206.2	2194.8	1.23	0.90	0.20	-44.8	-35.2	-43.6	1.32
5.0	52.48	2233.5	2212.7	2201.3	1.27	0.95	0.27	-44.8	-35.6	-44.3	1.34
5.1	51.92	2240.0	2219.2	2207.7	1.25	1.05	0.38	-45.9	-35.6	-44.8	1.40
5.3	51.60	2246.6	2225.7	2214.1	1.26	1.10	0.39	-45.2	-35.5	-44.4	1.42
5.4	51.44	2253.1	2232.1	2220.4	1.20	1.10	0.49	-45.3	-36.4	-44.5	1.48
5.5	51.12	2259.5	2238.5	2226.7	1.20	1.12	0.55	-45.0	-35.6	-44.4	1.54
5.6	50.48	2265.8	2244.8	2233.0	1.17	1.13	0.58	-45.3	-35.8	-44.9	1.58
5.8	50.08	2272.2	2251.1	2239.2	1.13	1.04	0.56	-45.7	-35.5	-45.0	1.60
5.9	49.84	2278.5	2257.3	2245.4	1.04	1.09	0.57	-44.6	-35.1	-43.6	1.66
6.0	49.76	2284.79	2263.52	2251.49	1.00	1.02	0.48	-44.0	-35.9	-43.9	1.70

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-73
10	-98
100	-119
1000	-138