

Voltage Controlled Oscillator

ROS-ED10500A/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			
0.1	145.64	1881.7	1859.6	1842.6	1.00	0.92	0.13	-43.9	-26.0	-38.2	4.48	1	-72
0.3	130.83	1896.9	1876.0	1859.6	1.16	1.06	0.30	-45.0	-26.0	-38.5	3.48	10	-97
0.4	119.78	1911.0	1890.9	1875.1	1.21	1.23	0.47	-45.9	-25.9	-38.8	2.84	100	-118
0.5	110.66	1924.2	1904.8	1889.4	1.21	1.35	0.67	-46.5	-25.4	-39.8	2.33	1000	-138
0.6	103.91	1936.7	1917.7	1902.6	1.17	1.31	0.81	-45.8	-25.8	-39.7	1.97		
0.8	98.27	1948.7	1930.0	1915.1	1.05	1.33	0.85	-44.6	-25.1	-39.5	1.68		
0.9	94.66	1960.2	1941.9	1927.1	0.95	1.29	0.85	-45.7	-25.4	-40.8	1.45		
1.0	90.00	1971.3	1953.1	1938.5	0.87	1.14	0.80	-43.9	-25.1	-40.9	1.20		
1.1	87.69	1982.0	1964.1	1949.5	0.84	1.03	0.72	-42.3	-25.5	-40.7	1.03		
1.3	84.24	1992.3	1974.6	1960.1	0.77	0.93	0.62	-42.3	-24.8	-40.6	0.85		
1.4	81.90	2002.5	1984.8	1970.4	0.79	0.89	0.54	-39.8	-24.7	-39.7	0.70		
1.5	79.49	2012.2	1994.8	1980.3	0.86	0.89	0.52	-39.1	-24.3	-41.3	0.58		
1.6	77.56	2021.7	2004.5	1990.0	0.94	0.95	0.44	-38.4	-24.3	-40.9	0.46		
1.8	75.60	2031.2	2013.9	1999.5	1.03	1.02	0.46	-37.6	-24.0	-41.6	0.32		
1.9	74.00	2040.3	2023.2	2008.7	1.13	1.09	0.52	-37.1	-24.3	-42.3	0.20		
2.0	72.48	2049.4	2032.2	2017.8	1.22	1.14	0.60	-36.4	-24.3	-42.5	0.12		
2.1	70.72	2058.2	2041.1	2026.6	1.33	1.24	0.67	-35.9	-24.0	-43.4	0.06		
2.3	69.04	2066.8	2049.7	2035.2	1.33	1.33	0.77	-35.2	-24.1	-43.2	0.10		
2.4	68.24	2075.4	2058.2	2043.7	1.35	1.44	0.87	-34.4	-24.3	-44.2	0.12		
2.5	66.96	2083.8	2066.6	2052.0	1.32	1.43	0.90	-34.2	-24.3	-45.3	0.22		
2.6	66.24	2092.0	2074.9	2060.3	1.36	1.46	1.01	-34.6	-24.5	-45.8	0.26		
2.8	64.56	2100.1	2083.0	2068.3	1.31	1.43	1.06	-33.4	-24.8	-45.4	0.38		
2.9	64.40	2108.2	2091.0	2076.3	1.23	1.47	1.04	-32.6	-24.7	-43.5	0.38		
3.0	62.96	2116.0	2098.9	2084.2	1.19	1.41	1.01	-32.9	-24.7	-42.6	0.44		
3.1	62.16	2123.8	2106.6	2091.9	1.10	1.38	1.06	-32.3	-24.8	-41.5	0.50		
3.3	61.68	2131.5	2114.4	2099.6	1.09	1.29	1.00	-31.8	-25.4	-41.2	0.52		
3.4	60.64	2139.1	2121.9	2107.1	1.04	1.25	0.96	-32.0	-25.3	-41.8	0.58		
3.5	60.08	2146.5	2129.4	2114.6	1.09	1.18	0.87	-31.2	-25.5	-42.0	0.68		
3.6	59.12	2153.9	2136.8	2122.0	1.11	1.17	0.84	-31.2	-26.4	-41.8	0.72		
3.8	58.40	2161.2	2144.1	2129.3	1.07	1.17	0.77	-31.0	-27.0	-40.1	0.72		
3.9	58.00	2168.5	2151.4	2136.5	1.10	1.16	0.75	-30.8	-27.5	-41.6	0.74		
4.0	57.36	2175.7	2158.6	2143.6	1.11	1.16	0.75	-30.1	-27.7	-40.5	0.84		
4.1	57.12	2182.8	2165.7	2150.7	1.18	1.18	0.74	-30.2	-28.0	-41.1	0.88		
4.3	56.24	2189.9	2172.7	2157.7	1.22	1.21	0.74	-29.9	-29.1	-41.7	0.88		
4.4	55.68	2197.0	2179.7	2164.6	1.26	1.25	0.76	-29.9	-28.9	-42.0	0.94		
4.5	56.24	2203.9	2186.7	2171.5	1.38	1.27	0.79	-29.8	-29.0	-42.4	0.98		
4.6	55.28	2210.8	2193.6	2178.3	1.43	1.36	0.85	-29.6	-29.5	-42.2	1.00		
4.8	55.12	2217.8	2200.5	2185.1	1.51	1.41	0.86	-29.7	-29.7	-43.3	1.02		
4.9	54.16	2224.6	2207.3	2191.9	1.57	1.48	0.91	-29.5	-30.0	-42.2	1.08		
5.0	54.32	2231.4	2214.1	2198.7	1.57	1.53	1.01	-29.5	-30.2	-43.4	1.18		
5.1	53.92	2238.1	2220.8	2205.3	1.59	1.61	1.07	-30.1	-29.9	-43.9	1.14		
5.3	53.20	2244.8	2227.5	2211.9	1.60	1.67	1.13	-29.9	-30.7	-44.9	1.18		
5.4	52.96	2251.4	2234.1	2218.5	1.51	1.71	1.23	-29.8	-31.3	-45.4	1.20		
5.5	52.48	2257.9	2240.6	2225.0	1.52	1.69	1.28	-29.2	-31.1	-41.2	1.28		
5.6	52.48	2264.4	2247.2	2231.5	1.46	1.69	1.27	-29.2	-30.8	-40.4	1.26		
5.8	51.52	2271.0	2253.6	2238.0	1.42	1.63	1.29	-28.7	-31.0	-38.7	1.34		
5.9	51.12	2277.5	2260.0	2244.4	1.32	1.62	1.29	-28.7	-31.0	-37.3	1.38		
6.0	51.52	2284.06	2266.47	2250.73	1.30	1.57	1.20	-29.1	-31.1	-38.4	1.36		