

# Voltage Controlled Oscillator

# ROS-1910-419+

## 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			
0.0	27.92	1822.2	1817.4	1813.0	3.87	4.18	4.21	-27.4	-38.2	-40.7	0.86	1	-85
0.3	26.24	1829.0	1824.4	1820.1	3.81	4.13	4.18	-27.4	-38.0	-40.0	0.92	10	-107
0.5	25.37	1835.6	1831.0	1826.7	3.76	4.07	4.13	-27.5	-38.5	-39.3	0.95	100	-128
0.8	24.84	1841.9	1837.3	1833.0	3.75	4.02	4.07	-27.8	-38.7	-38.1	0.98	1000	-148
1.0	24.70	1848.1	1843.5	1839.2	3.72	4.01	4.03	-28.2	-38.6	-37.9	0.99		
1.3	25.34	1854.5	1849.7	1845.3	3.66	3.98	4.02	-28.4	-39.1	-37.4	1.02		
1.5	25.81	1861.0	1856.1	1851.5	3.61	3.93	3.99	-28.8	-39.5	-37.4	1.05		
1.8	26.20	1867.5	1862.5	1857.8	3.58	3.89	3.94	-29.0	-39.5	-36.2	1.07		
2.0	26.28	1874.1	1869.1	1864.3	3.53	3.87	3.91	-29.1	-39.3	-35.8	1.07		
2.3	27.62	1881.0	1875.6	1870.8	3.47	3.82	3.88	-29.2	-39.6	-34.3	1.09		
2.5	28.14	1888.1	1882.5	1877.5	3.44	3.77	3.83	-29.9	-39.9	-33.5	1.12		
2.8	28.21	1895.3	1889.6	1884.4	3.41	3.74	3.80	-29.9	-39.9	-33.3	1.12		
3.0	28.43	1902.4	1896.6	1891.4	3.34	3.71	3.77	-29.5	-40.1	-32.6	1.09		
3.3	29.35	1909.8	1903.7	1898.4	3.30	3.64	3.71	-29.4	-40.5	-31.6	1.11		
3.5	29.03	1917.2	1911.1	1905.5	3.28	3.61	3.66	-30.1	-40.7	-30.6	1.10		
3.8	28.74	1924.5	1918.3	1912.8	3.23	3.58	3.63	-30.1	-40.8	-28.9	1.07		
4.0	29.14	1932.0	1925.5	1919.9	3.20	3.51	3.58	-29.5	-41.4	-28.3	1.07		
4.3	28.56	1939.3	1932.8	1927.1	3.20	3.48	3.51	-29.4	-41.6	-28.0	1.05		
4.5	28.37	1946.4	1939.9	1934.2	3.16	3.44	3.48	-29.1	-41.4	-28.6	1.04		
4.8	28.36	1953.5	1947.0	1941.3	3.12	3.39	3.45	-29.2	-41.9	-28.4	1.05		
5.0	27.83	1960.5	1954.1	1948.3	3.09	3.36	3.40	-29.2	-42.5	-28.3	1.06		
5.3	27.46	1967.4	1961.1	1955.3	3.01	3.32	3.37	-28.9	-42.9	-28.2	1.07		
5.5	27.19	1974.3	1967.9	1962.1	2.96	3.28	3.34	-28.5	-43.3	-27.5	1.10		
5.8	26.79	1981.2	1974.7	1968.8	2.91	3.25	3.31	-28.4	-43.5	-26.9	1.13		
6.0	26.32	1987.9	1981.4	1975.4	2.86	3.21	3.29	-28.2	-44.3	-27.5	1.16		
6.3	25.91	1994.6	1988.0	1982.0	2.84	3.18	3.25	-28.2	-45.2	-27.4	1.19		
6.5	25.44	2001.1	1994.5	1988.4	2.84	3.17	3.22	-27.9	-45.3	-27.3	1.23		
6.8	25.15	2007.5	2000.8	1994.8	2.81	3.16	3.21	-27.5	-46.0	-26.6	1.27		
7.0	25.15	2013.8	2007.1	2001.0	2.78	3.13	3.20	-27.4	-46.7	-25.8	1.33		

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