

Voltage Controlled Oscillator

ROS-EDR6120/1

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			
0.3	29.62	1807.4	1795.5	1782.1	0.66	0.99	-0.07	-25.0	-21.6	-34.4	0.91	1	-79
0.5	26.78	1813.9	1802.2	1789.1	0.62	0.94	-0.19	-25.3	-21.8	-34.8	0.92	10	-101
0.8	25.05	1819.9	1808.5	1795.6	0.61	0.91	-0.25	-25.6	-21.7	-34.8	0.92	100	-121
1.0	23.83	1825.8	1814.4	1801.8	0.58	0.90	-0.29	-25.6	-21.6	-35.3	0.92	1000	-141
1.3	23.02	1831.5	1820.2	1807.7	0.59	0.88	-0.28	-25.8	-21.6	-35.3	0.92		
1.5	22.42	1837.0	1825.8	1813.4	0.58	0.87	-0.30	-25.8	-21.7	-35.1	0.93		
1.8	22.12	1842.4	1831.3	1818.9	0.57	0.86	-0.28	-26.0	-21.8	-35.0	0.93		
2.0	21.69	1847.8	1836.7	1824.4	0.55	0.86	-0.30	-26.2	-21.8	-35.1	0.94		
2.3	21.43	1853.1	1842.1	1829.8	0.52	0.83	-0.30	-26.2	-21.6	-35.0	0.93		
2.5	21.38	1858.4	1847.4	1835.2	0.50	0.80	-0.30	-26.4	-21.6	-34.6	0.94		
2.8	21.38	1863.7	1852.8	1840.6	0.47	0.78	-0.30	-26.6	-21.7	-34.5	0.94		
3.0	21.37	1869.0	1858.1	1846.0	0.47	0.77	-0.31	-26.8	-21.7	-34.6	0.94		
3.3	21.52	1874.4	1863.5	1851.4	0.47	0.78	-0.32	-27.0	-21.9	-34.5	0.94		
3.5	21.77	1879.9	1868.9	1856.8	0.51	0.79	-0.29	-26.9	-21.7	-33.8	0.95		
3.8	22.13	1885.3	1874.5	1862.3	0.51	0.81	-0.26	-27.0	-21.7	-33.2	0.96		
4.0	22.46	1890.9	1880.1	1867.9	0.53	0.82	-0.23	-27.0	-21.8	-33.3	0.96		
4.3	22.72	1896.6	1885.8	1873.6	0.50	0.83	-0.19	-26.8	-21.8	-33.2	0.96		
4.5	23.02	1902.3	1891.5	1879.3	0.47	0.79	-0.18	-26.6	-21.8	-32.7	0.96		
4.8	23.50	1908.2	1897.4	1885.2	0.45	0.77	-0.15	-26.6	-21.9	-32.7	0.97		
5.0	23.98	1914.2	1903.4	1891.2	0.46	0.78	-0.15	-26.7	-22.0	-32.5	0.97		
5.3	24.53	1920.4	1909.5	1897.3	0.46	0.78	-0.11	-26.7	-22.1	-32.1	0.97		
5.5	25.26	1926.7	1915.8	1903.6	0.48	0.78	-0.08	-26.6	-22.3	-31.6	0.98		
5.8	25.82	1933.1	1922.3	1910.0	0.47	0.79	-0.05	-26.6	-22.5	-31.3	0.98		
6.0	26.40	1939.7	1928.9	1916.6	0.49	0.79	-0.02	-26.4	-22.6	-31.3	0.98		
6.3	27.06	1946.5	1935.7	1923.3	0.51	0.82	0.01	-26.6	-23.0	-31.5	0.98		
6.5	27.78	1953.4	1942.6	1930.3	0.54	0.84	0.09	-26.7	-23.2	-32.0	0.98		
6.8	28.48	1960.6	1949.7	1937.3	0.51	0.86	0.15	-26.7	-23.3	-32.3	0.98		
7.0	29.08	1967.9	1957.0	1944.6	0.52	0.86	0.19	-26.4	-23.7	-32.1	0.98		