

Voltage Controlled Oscillator

ROSA-ED9946A/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			
0.4	6.71	1815.4	1804.6	1797.7	4.65	3.92	3.03	-23.3	-37.2	-38.1	0.27	1	-87
0.8	6.01	1817.7	1806.9	1799.9	4.76	4.05	3.19	-23.4	-37.1	-37.6	0.29	10	-113
1.1	5.66	1819.9	1809.0	1801.9	4.88	4.17	3.34	-23.3	-37.6	-36.4	0.29	100	-133
1.5	5.56	1822.0	1811.1	1803.9	4.99	4.29	3.48	-23.3	-37.7	-37.1	0.29	1000	-150
1.9	5.64	1824.2	1813.3	1805.9	5.09	4.40	3.61	-23.1	-37.2	-36.6	0.31		
2.3	5.72	1826.4	1815.5	1808.0	5.20	4.53	3.76	-23.0	-37.9	-37.2	0.31		
2.7	5.97	1828.7	1817.7	1810.1	5.31	4.65	3.90	-23.0	-38.5	-37.0	0.33		
3.0	6.12	1831.1	1820.1	1812.4	5.44	4.79	4.04	-22.5	-39.1	-36.0	0.34		
3.4	6.42	1833.5	1822.5	1814.7	5.58	4.94	4.18	-22.5	-39.2	-35.6	0.33		
3.8	6.67	1836.0	1825.0	1817.2	5.72	5.08	4.34	-22.5	-39.1	-37.0	0.36		
4.2	6.85	1838.6	1827.6	1819.7	5.86	5.22	4.49	-23.0	-38.6	-37.1	0.33		
4.6	7.00	1841.2	1830.3	1822.3	5.99	5.37	4.66	-23.0	-39.8	-37.6	0.33		
4.9	7.05	1843.9	1833.0	1825.0	6.14	5.51	4.81	-22.6	-40.0	-37.7	0.33		
5.3	7.01	1846.5	1835.6	1827.6	6.26	5.67	4.96	-22.0	-40.3	-36.9	0.31		
5.7	7.02	1849.1	1838.3	1830.3	6.37	5.82	5.11	-21.7	-39.1	-37.4	0.31		
6.1	6.84	1851.7	1840.9	1832.9	6.49	5.95	5.25	-21.6	-40.6	-37.8	0.29		
6.5	6.80	1854.2	1843.5	1835.5	6.60	6.09	5.39	-21.5	-40.4	-37.2	0.29		
6.8	6.60	1856.7	1846.0	1838.0	6.69	6.24	5.53	-20.9	-39.0	-37.5	0.29		
7.2	6.44	1859.1	1848.4	1840.4	6.77	6.35	5.66	-20.7	-39.5	-37.6	0.29		
7.6	6.32	1861.5	1850.8	1842.8	6.85	6.46	5.78	-20.7	-38.0	-37.5	0.31		
8.0	6.11	1863.8	1853.2	1845.1	6.91	6.56	5.90	-20.4	-37.6	-37.7	0.33		
8.4	5.94	1866.0	1855.4	1847.4	6.98	6.64	6.00	-20.5	-36.7	-38.2	0.33		
8.7	5.77	1868.1	1857.6	1849.5	7.04	6.73	6.11	-20.6	-35.8	-38.3	0.36		
9.1	5.62	1870.3	1859.7	1851.7	7.09	6.81	6.22	-20.5	-35.9	-37.6	0.36		
9.5	5.43	1872.3	1861.8	1853.7	7.13	6.88	6.32	-20.2	-35.3	-37.9	0.40		
9.9	5.26	1874.3	1863.8	1855.7	7.16	6.94	6.40	-20.1	-35.3	-37.1	0.41		
10.3	5.11	1876.2	1865.7	1857.7	7.19	7.01	6.48	-19.9	-35.8	-37.6	0.41		
10.6	4.90	1878.0	1867.6	1859.5	7.21	7.06	6.55	-19.9	-36.2	-38.8	0.43		
11.0	4.80	1879.8	1869.4	1861.3	7.23	7.11	6.62	-19.9	-36.2	-38.5	0.42		
11.4	4.61	1881.5	1871.2	1863.1	7.24	7.16	6.69	-19.8	-36.4	-38.6	0.43		
11.8	4.50	1883.2	1872.9	1864.8	7.25	7.20	6.74	-19.8	-36.8	-39.7	0.45		
12.2	4.29	1884.8	1874.5	1866.5	7.26	7.24	6.79	-19.9	-37.2	-39.7	0.45		
12.5	4.24	1886.3	1876.1	1868.1	7.26	7.27	6.84	-20.0	-37.5	-39.9	0.45		
12.9	4.02	1887.8	1877.7	1869.6	7.26	7.29	6.88	-20.1	-36.9	-38.7	0.44		
13.3	3.95	1889.3	1879.2	1871.1	7.26	7.32	6.93	-20.2	-36.7	-39.6	0.44		
13.7	3.77	1890.7	1880.6	1872.6	7.26	7.33	6.96	-20.7	-36.4	-39.5	0.45		
14.1	3.61	1892.0	1882.0	1874.0	7.26	7.36	7.00	-20.8	-36.4	-39.2	0.45		
14.4	3.55	1893.3	1883.3	1875.3	7.23	7.37	7.03	-20.9	-36.2	-38.3	0.43		
14.8	3.42	1894.6	1884.6	1876.6	7.24	7.38	7.05	-21.2	-36.2	-38.9	0.43		