

Voltage Controlled Oscillator

ROSA-ED9946/1

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	3.40	1839.0	1820.3	1811.5	5.16	3.95	4.06	-27.0	-43.2	-34.7	0.44	1	-88
0.8	2.72	1840.1	1821.3	1812.5	5.20	3.98	4.04	-27.0	-44.0	-34.2	0.45	10	-112
1.1	2.82	1841.1	1822.4	1813.5	5.23	4.03	4.06	-27.1	-43.7	-33.8	0.43	100	-132
1.5	2.58	1842.1	1823.4	1814.5	5.26	4.01	4.09	-27.1	-44.5	-33.6	0.45	1000	-150
1.9	2.60	1843.1	1824.3	1815.5	5.29	4.03	4.11	-27.1	-43.9	-33.6	0.44		
2.3	2.70	1844.1	1825.4	1816.5	5.33	4.06	4.14	-27.3	-45.0	-33.3	0.46		
2.7	2.81	1845.1	1826.4	1817.6	5.36	4.10	4.13	-27.2	-44.7	-33.3	0.50		
3.0	3.16	1846.3	1827.6	1818.7	5.39	4.13	4.15	-27.5	-44.2	-32.5	0.46		
3.4	3.06	1847.4	1828.8	1819.8	5.41	4.15	4.17	-27.6	-44.6	-31.8	0.48		
3.8	3.18	1848.6	1830.0	1821.0	5.44	4.18	4.20	-27.6	-44.9	-31.6	0.46		
4.2	3.24	1849.8	1831.2	1822.2	5.47	4.20	4.23	-27.8	-44.1	-32.4	0.46		
4.6	3.39	1851.1	1832.5	1823.5	5.48	4.20	4.22	-27.5	-43.5	-32.3	0.46		
4.9	3.36	1852.3	1833.8	1824.8	5.49	4.22	4.25	-27.7	-43.5	-32.3	0.48		
5.3	3.35	1853.6	1835.1	1826.0	5.50	4.23	4.27	-27.6	-43.2	-32.4	0.46		
5.7	3.33	1854.8	1836.3	1827.3	5.50	4.24	4.30	-27.6	-44.7	-31.9	0.46		
6.1	3.21	1856.1	1837.6	1828.6	5.49	4.23	4.28	-27.2	-42.8	-32.4	0.48		
6.5	3.09	1857.3	1838.7	1829.8	5.48	4.23	4.30	-27.5	-42.8	-32.0	0.48		
6.8	3.03	1858.4	1839.9	1830.9	5.49	4.24	4.32	-27.2	-42.9	-31.5	0.48		
7.2	2.78	1859.5	1840.9	1832.0	5.47	4.24	4.33	-27.1	-42.4	-31.4	0.50		
7.6	2.72	1860.6	1842.0	1833.1	5.45	4.25	4.33	-27.1	-43.0	-31.9	0.50		
8.0	2.54	1861.6	1842.9	1834.1	5.42	4.25	4.35	-26.7	-42.9	-31.9	0.52		
8.4	2.39	1862.6	1843.9	1835.1	5.41	4.26	4.37	-26.8	-42.9	-31.6	0.52		
8.7	2.36	1863.5	1844.7	1836.1	5.39	4.28	4.39	-26.8	-42.7	-31.3	0.52		
9.1	2.24	1864.3	1845.6	1837.0	5.38	4.30	4.42	-26.8	-41.6	-31.2	0.54		
9.5	2.24	1865.1	1846.4	1837.9	5.37	4.33	4.43	-26.7	-43.5	-31.3	0.54		
9.9	2.14	1865.9	1847.3	1838.8	5.38	4.35	4.45	-26.7	-43.3	-31.0	0.55		
10.3	2.22	1866.6	1848.1	1839.7	5.40	4.59	4.48	-26.6	-43.8	-30.2	0.58		
10.6	3.42	1867.3	1849.4	1840.5	5.44	4.69	4.50	-26.7	-43.1	-29.5	0.57		
11.0	2.08	1868.0	1850.2	1841.3	5.52	4.65	4.52	-26.8	-43.8	-29.5	0.61		
11.4	2.12	1868.7	1851.0	1842.1	5.56	4.79	4.55	-26.8	-43.7	-29.4	0.59		
11.8	1.96	1869.3	1851.7	1842.9	5.61	4.82	4.58	-27.0	-44.6	-29.6	0.61		
12.2	1.94	1870.0	1852.5	1843.7	5.66	4.85	4.61	-27.1	-45.7	-29.2	0.59		
12.5	1.90	1870.7	1853.2	1844.4	5.71	4.89	4.63	-27.3	-45.2	-29.0	0.62		
12.9	1.82	1871.3	1853.9	1845.1	5.76	4.92	4.65	-27.3	-45.8	-29.1	0.62		
13.3	1.80	1872.0	1854.6	1845.8	5.81	4.95	4.68	-27.5	-46.2	-28.9	0.63		
13.7	1.78	1872.6	1855.3	1846.5	5.90	4.98	4.70	-27.6	-46.1	-29.2	0.11		
14.1	1.72	1873.2	1855.9	1847.2	5.94	4.70	4.72	-27.5	-46.4	-29.4	0.62		
14.4	0.18	1873.8	1856.0	1847.8	5.98	4.74	4.76	-27.7	-47.6	-29.4	0.63		
14.8	1.54	1874.4	1856.6	1848.4	6.02	5.05	4.78	-27.5	-48.5	-28.9	0.63		