

Voltage Controlled Oscillator

ROS-1836+

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	31.04	1788.4	1786.8	1781.0	4.33	4.36	4.45	-38.5	-32.4	-41.8	0.84	1	-86
0.3	26.85	1796.1	1794.6	1789.2	4.29	4.32	4.39	-37.2	-32.7	-40.7	0.55	10	-112
0.5	24.27	1802.7	1801.3	1796.1	4.25	4.28	4.34	-36.3	-32.9	-40.1	0.41	100	-133
0.8	22.56	1808.7	1807.4	1802.3	4.20	4.23	4.30	-35.7	-32.7	-39.0	0.32	1000	-153
1.0	21.27	1814.4	1813.0	1808.0	4.16	4.19	4.24	-35.4	-32.5	-37.7	0.27		
1.3	20.28	1819.7	1818.3	1813.4	4.13	4.16	4.20	-35.1	-32.4	-36.9	0.23		
1.5	19.49	1824.7	1823.4	1818.4	4.11	4.13	4.15	-34.7	-32.4	-35.9	0.21		
1.8	18.86	1829.6	1828.3	1823.3	4.06	4.09	4.11	-34.3	-32.0	-35.0	0.19		
2.0	18.35	1834.3	1833.0	1828.0	4.02	4.05	4.08	-34.0	-32.1	-34.6	0.18		
2.3	17.94	1838.9	1837.6	1832.6	3.99	4.01	4.05	-33.8	-32.6	-33.8	0.17		
2.5	17.55	1843.4	1842.0	1837.1	3.97	3.99	4.02	-33.5	-33.0	-32.7	0.16		
2.8	17.24	1847.8	1846.4	1841.5	3.95	3.97	3.99	-33.1	-33.3	-31.8	0.15		
3.0	17.03	1852.1	1850.7	1845.8	3.93	3.95	3.96	-32.7	-33.2	-30.9	0.15		
3.3	16.85	1856.4	1855.0	1850.0	3.90	3.92	3.93	-32.4	-32.4	-29.9	0.14		
3.5	16.67	1860.6	1859.2	1854.2	3.87	3.88	3.90	-32.3	-32.3	-29.4	0.14		
3.8	16.53	1864.7	1863.4	1858.3	3.84	3.85	3.87	-32.4	-32.7	-29.5	0.13		
4.0	16.44	1868.9	1867.5	1862.5	3.81	3.83	3.84	-32.5	-33.1	-28.6	0.12		
4.3	16.36	1873.0	1871.6	1866.5	3.79	3.80	3.81	-32.3	-33.2	-27.1	0.11		
4.5	16.30	1877.1	1875.7	1870.6	3.77	3.78	3.77	-32.1	-33.4	-26.1	0.10		
4.8	16.25	1881.2	1879.8	1874.6	3.76	3.76	3.75	-31.9	-33.6	-26.1	0.09		
5.0	16.24	1885.2	1883.9	1878.7	3.74	3.74	3.72	-31.6	-33.8	-25.9	0.07		
5.3	16.26	1889.3	1887.9	1882.7	3.73	3.72	3.69	-31.4	-33.4	-24.6	0.06		
5.5	16.29	1893.4	1892.0	1886.7	3.71	3.70	3.66	-31.2	-32.9	-23.6	0.04		
5.8	16.34	1897.5	1896.0	1890.8	3.68	3.68	3.63	-31.1	-33.1	-23.8	0.02		
6.0	16.38	1901.6	1900.1	1894.8	3.67	3.65	3.60	-30.9	-33.7	-24.2	0.00		
6.3	16.44	1905.7	1904.2	1898.9	3.68	3.66	3.57	-30.7	-34.4	-23.1	0.03		
6.5	16.51	1909.8	1908.3	1902.9	3.67	3.65	3.55	-30.6	-34.8	-22.9	0.05		
6.8	16.59	1913.9	1912.5	1907.0	3.65	3.63	3.54	-30.5	-34.5	-23.5	0.08		
7.0	16.59	1918.1	1916.6	1911.1	3.62	3.61	3.52	-30.5	-33.6	-24.1	0.10		

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