

Voltage Controlled Oscillator

ROS-1850-519+

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	28.49	1794.4	1789.8	1784.5	-0.47	-0.18	-0.16	-28.5	-28.3	-37.4	0.04	1	-86
0.3	24.97	1801.1	1796.9	1792.0	-0.54	-0.29	-0.24	-28.7	-28.3	-36.6	0.15	10	-111
0.5	22.68	1807.2	1803.2	1798.5	-0.59	-0.38	-0.29	-28.9	-28.6	-36.8	0.21	100	-131
0.8	20.94	1812.6	1808.9	1804.3	-0.63	-0.43	-0.34	-29.1	-28.9	-37.3	0.25	1000	-147
1.0	19.86	1817.8	1814.1	1809.7	-0.68	-0.48	-0.38	-29.3	-28.9	-36.9	0.28		
1.3	19.06	1822.7	1819.1	1814.7	-0.73	-0.51	-0.43	-29.2	-28.7	-36.6	0.29		
1.5	18.27	1827.4	1823.8	1819.5	-0.77	-0.54	-0.46	-29.0	-28.4	-36.1	0.31		
1.8	17.72	1832.0	1828.4	1824.1	-0.81	-0.54	-0.49	-29.0	-28.6	-35.2	0.33		
2.0	17.28	1836.4	1832.8	1828.5	-0.84	-0.58	-0.51	-28.9	-29.1	-35.5	0.34		
2.3	16.93	1840.7	1837.1	1832.8	-0.89	-0.63	-0.53	-28.7	-29.4	-35.3	0.35		
2.5	16.55	1844.9	1841.4	1837.1	-0.92	-0.66	-0.55	-28.5	-29.4	-34.6	0.36		
2.8	16.16	1849.0	1845.5	1841.2	-0.96	-0.68	-0.57	-28.4	-29.5	-34.2	0.36		
3.0	15.93	1853.1	1849.6	1845.3	-0.98	-0.71	-0.59	-28.3	-29.8	-33.8	0.37		
3.3	15.88	1857.1	1853.5	1849.3	-1.02	-0.74	-0.61	-28.0	-29.8	-33.4	0.39		
3.5	15.68	1861.1	1857.5	1853.3	-1.04	-0.75	-0.65	-27.6	-29.6	-33.5	0.39		
3.8	15.61	1865.0	1861.4	1857.2	-1.09	-0.78	-0.67	-27.4	-29.9	-32.8	0.40		
4.0	15.50	1868.9	1865.3	1861.1	-1.11	-0.81	-0.71	-27.3	-30.2	-32.0	0.41		
4.3	15.41	1872.8	1869.2	1865.0	-1.16	-0.84	-0.73	-27.3	-30.3	-31.7	0.41		
4.5	15.39	1876.6	1873.1	1868.8	-1.18	-0.87	-0.76	-27.0	-30.6	-30.9	0.42		
4.8	15.41	1880.5	1876.9	1872.6	-1.22	-0.89	-0.80	-26.5	-31.1	-30.1	0.44		
5.0	15.43	1884.3	1880.8	1876.4	-1.25	-0.92	-0.83	-26.1	-31.5	-30.1	0.44		
5.3	15.34	1888.2	1884.6	1880.2	-1.30	-0.94	-0.87	-25.8	-31.2	-29.9	0.46		
5.5	15.23	1892.0	1888.5	1884.1	-1.33	-0.96	-0.90	-25.6	-30.7	-29.6	0.46		
5.8	15.40	1895.9	1892.3	1887.9	-1.37	-1.01	-0.94	-25.1	-30.7	-29.6	0.47		
6.0	15.51	1899.8	1896.1	1891.7	-1.40	-1.04	-0.98	-24.8	-31.2	-28.9	0.48		
6.3	15.64	1903.7	1900.0	1895.6	-1.44	-1.10	-1.02	-24.3	-31.6	-28.1	0.50		
6.5	15.78	1907.6	1903.9	1899.5	-1.48	-1.13	-1.06	-24.1	-31.8	-27.8	0.51		

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