

Voltage Controlled Oscillator

ROS-ED12812/1

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			
0.0	13.06	1684.2	1678.7	1673.7	4.75	4.13	3.41	-13.34	-19.10	-56.00	0.36	1	-84
1.0	8.99	1694.1	1689.3	1684.7	4.75	4.14	3.46	-13.25	-20.19	-47.63	0.37	10	-109
2.0	8.23	1702.5	1697.8	1693.2	4.71	4.10	3.50	-13.71	-21.58	-42.73	0.39	100	-129
3.0	8.25	1710.8	1706.0	1701.3	4.58	4.02	3.44	-13.59	-23.04	-40.27	0.40	1000	-149
4.0	8.72	1719.5	1714.5	1709.6	4.41	3.94	3.38	-13.44	-23.04	-37.97	0.40		
5.0	9.66	1728.9	1723.6	1718.6	4.40	3.96	3.43	-13.69	-24.16	-37.32	0.41		
6.0	10.90	1739.4	1733.8	1728.6	4.47	4.04	3.51	-14.22	-24.08	-35.89	0.42		
7.0	12.36	1751.2	1745.3	1740.0	4.50	4.08	3.52	-13.73	-25.37	-35.81	0.42		
8.0	13.85	1764.6	1758.4	1752.8	4.47	4.11	3.59	-13.63	-24.62	-35.60	0.42		
9.0	14.65	1779.2	1772.7	1766.9	4.42	4.11	3.61	-13.66	-25.22	-36.46	0.40		
10.0	14.46	1793.9	1787.3	1781.5	4.53	4.15	3.68	-13.67	-25.37	-37.23	0.38		
11.0	13.40	1807.9	1801.3	1795.5	4.63	4.19	3.70	-13.86	-25.06	-37.79	0.35		
12.0	12.27	1820.7	1814.1	1808.4	4.64	4.24	3.73	-13.95	-25.89	-40.02	0.33		
13.0	11.48	1832.7	1826.0	1820.2	4.66	4.27	3.89	-14.92	-25.16	-43.57	0.33		
14.0	10.61	1843.8	1837.1	1831.3	4.63	4.31	3.91	-15.09	-25.83	-46.31	0.32		
15.0	9.81	1854.0	1847.3	1841.5	4.62	4.25	3.84	-14.92	-25.64	-46.03	0.32		
16.0	9.10	1863.4	1856.8	1851.1	4.69	4.30	3.86	-15.37	-26.33	-45.42	0.31		
17.0	8.48	1872.2	1865.6	1859.9	4.75	4.34	3.83	-15.98	-25.98	-42.66	0.31		
18.0	8.03	1880.5	1873.9	1868.2	4.80	4.38	3.89	-16.11	-26.36	-41.18	0.29		
19.0	7.68	1888.4	1881.8	1876.1	4.79	4.40	3.93	-16.33	-26.48	-38.48	0.28		
20.0	7.58	1896.0	1889.3	1883.6	4.72	4.35	3.92	-16.58	-26.29	-38.17	0.28		
21.0	7.07	1903.2	1896.6	1890.8	4.79	4.41	3.98	-16.60	-27.22	-36.77	0.27		
22.0	6.82	1910.1	1903.5	1897.7	4.76	4.36	3.93	-16.33	-27.42	-37.57	0.26		
23.0	6.58	1916.8	1910.2	1904.4	4.69	4.32	3.82	-16.20	-27.17	-36.38	0.26		
24.0	6.34	1923.3	1916.7	1910.9	4.69	4.27	3.78	-16.10	-27.97	-36.50	0.24		
25.0	6.13	1929.6	1922.9	1917.1	4.75	4.26	3.81	-16.65	-28.65	-36.59	0.24		
26.0	5.88	1935.6	1929.0	1923.1	4.74	4.27	3.77	-16.87	-28.52	-35.36	0.22		