

Voltage Controlled Oscillator

ROS-ED9310/1

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	13.00	1739.1	1733.2	1729.4	5.84	6.52	6.28	-14.1	-49.2	-41.3	1.65	1	-84
0.6	11.86	1741.4	1735.6	1731.7	5.80	6.49	6.25	-14.0	-48.2	-41.2	1.65	10	-106
0.8	10.94	1743.6	1737.8	1733.8	5.80	6.51	6.26	-14.0	-47.9	-41.1	1.65	100	-127
1.0	10.45	1745.6	1739.9	1735.9	5.76	6.48	6.23	-13.9	-47.3	-41.3	1.70	1000	-145
1.2	10.09	1747.6	1741.9	1737.8	5.75	6.47	6.25	-13.9	-47.7	-40.3	1.72		
1.4	9.55	1749.5	1743.8	1739.7	5.72	6.47	6.22	-13.7	-46.6	-39.8	1.72		
1.6	9.37	1751.4	1745.7	1741.5	5.69	6.44	6.19	-13.7	-46.3	-40.3	1.74		
1.8	9.11	1753.2	1747.5	1743.2	5.67	6.43	6.20	-13.5	-45.2	-39.6	1.74		
2.0	8.86	1755.0	1749.3	1744.9	5.65	6.43	6.17	-13.6	-45.3	-39.5	1.78		
2.2	8.73	1756.7	1751.0	1746.6	5.62	6.41	6.15	-13.5	-44.3	-39.3	1.80		
2.4	8.48	1758.4	1752.7	1748.2	5.59	6.40	6.15	-13.5	-44.7	-39.2	1.80		
2.6	8.44	1760.1	1754.4	1749.8	5.58	6.38	6.13	-13.3	-44.5	-38.6	1.83		
2.8	8.36	1761.8	1756.1	1751.5	5.56	6.37	6.11	-13.3	-44.3	-38.7	1.85		
3.0	8.18	1763.4	1757.7	1753.1	5.53	6.36	6.10	-13.2	-43.6	-38.0	1.85		
3.2	8.25	1765.1	1759.4	1754.6	5.51	6.34	6.09	-13.1	-43.7	-38.0	1.89		
3.4	8.29	1766.7	1761.0	1756.2	5.48	6.33	6.07	-13.0	-42.9	-38.1	1.94		
3.6	8.14	1768.4	1762.7	1757.8	5.46	6.31	6.05	-12.9	-43.1	-38.1	1.94		
3.8	8.07	1770.0	1764.3	1759.4	5.44	6.29	6.04	-12.8	-42.9	-37.7	1.91		
4.0	8.14	1771.7	1765.9	1760.9	5.42	6.28	6.02	-12.8	-42.0	-37.7	1.98		
4.2	8.07	1773.3	1767.5	1762.5	5.37	6.26	6.01	-12.7	-42.3	-37.7	2.00		
4.4	8.20	1774.9	1769.2	1764.0	5.37	6.25	5.99	-12.6	-42.3	-37.2	2.00		
4.6	8.23	1776.6	1770.8	1765.6	5.34	6.24	5.97	-12.5	-42.0	-37.3	2.03		
4.8	8.19	1778.2	1772.4	1767.2	5.29	6.22	5.96	-12.5	-41.6	-37.6	2.03		
5.0	8.24	1779.9	1774.1	1768.8	5.27	6.18	5.94	-12.5	-41.5	-36.6	2.05		
5.2	8.25	1781.6	1775.7	1770.4	5.24	6.17	5.92	-12.5	-41.2	-36.9	2.09		
5.4	8.45	1783.3	1777.4	1772.0	5.18	6.16	5.91	-12.4	-40.7	-36.5	2.09		
5.6	8.31	1785.0	1779.1	1773.6	5.17	6.10	5.87	-12.3	-41.5	-36.6	2.11		
5.8	8.57	1786.7	1780.8	1775.3	5.14	6.09	5.86	-12.2	-41.2	-36.2	2.13		
6.0	8.47	1788.4	1782.5	1776.9	5.03	6.07	5.85	-12.1	-40.7	-35.8	2.17		
6.2	8.73	1790.1	1784.2	1778.6	5.00	6.02	5.80	-12.1	-40.8	-35.9	2.15		
6.4	8.75	1791.9	1786.0	1780.3	4.96	6.01	5.79	-12.0	-40.0	-35.5	2.24		
6.6	8.84	1793.7	1787.8	1782.0	4.92	5.93	5.78	-11.9	-40.3	-35.3	2.24		
6.8	8.95	1795.5	1789.5	1783.7	4.89	5.92	5.73	-11.9	-40.1	-35.0	2.23		
7.0	9.06	1797.3	1791.4	1785.5	4.90	5.90	5.71	-11.8	-39.8	-34.8	2.32		
7.2	9.14	1799.2	1793.2	1787.3	4.82	5.84	5.70	-11.7	-39.8	-34.5	2.32		
7.4	9.29	1801.0	1795.0	1789.1	4.77	5.82	5.63	-11.7	-39.7	-34.0	2.34		
7.6	9.51	1803.0	1796.9	1790.9	4.69	5.81	5.62	-11.6	-39.6	-33.9	2.34		
7.8	9.46	1804.9	1798.8	1792.7	4.66	5.73	5.57	-11.6	-39.1	-33.8	2.41		
8.0	9.65	1806.8	1800.8	1794.6	4.59	5.71	5.56	-11.6	-39.3	-33.1	2.45		