

Voltage Controlled Oscillator

ROS-ED10238/1

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			
0.1	27.14	1676.9	1663.3	1651.1	0.48	0.58	-0.10	-30.2	-26.6	-33.9	1.07	1	-80
0.3	26.14	1680.0	1666.6	1654.4	0.50	0.59	-0.06	-30.1	-26.6	-32.8	1.05	10	-103
0.4	25.14	1683.1	1669.7	1657.7	0.55	0.63	0.00	-30.4	-26.5	-33.5	1.03	100	-123
0.5	24.30	1686.1	1672.7	1660.7	0.55	0.67	-0.01	-30.5	-26.5	-33.3	1.01	1000	-141
0.6	23.59	1689.0	1675.7	1663.7	0.56	0.68	0.04	-30.4	-26.5	-33.9	1.05		
0.8	23.38	1691.9	1678.6	1666.6	0.58	0.71	0.04	-30.4	-26.7	-33.4	1.05		
0.9	23.02	1694.8	1681.5	1669.5	0.61	0.70	0.09	-30.6	-26.7	-33.7	1.01		
1.0	22.89	1697.7	1684.4	1672.4	0.62	0.75	0.09	-30.1	-26.5	-33.5	1.01		
1.1	22.76	1700.6	1687.2	1675.2	0.64	0.75	0.13	-30.5	-26.7	-33.7	1.01		
1.3	22.78	1703.4	1690.0	1678.0	0.62	0.76	0.16	-30.8	-26.5	-33.5	0.99		
1.4	22.56	1706.3	1692.9	1680.8	0.64	0.78	0.16	-30.9	-26.3	-33.6	0.99		
1.5	22.93	1709.2	1695.7	1683.7	0.66	0.81	0.19	-30.5	-26.2	-33.1	1.03		
1.6	20.29	1712.1	1698.3	1686.5	0.68	0.82	0.21	-30.8	-26.3	-33.2	0.99		
1.8	23.24	1715.0	1701.2	1689.4	0.64	0.84	0.20	-30.8	-26.4	-32.9	0.97		
1.9	23.40	1717.9	1704.1	1692.2	0.64	0.81	0.22	-30.8	-26.3	-33.2	0.99		
2.0	23.58	1720.9	1707.0	1695.2	0.66	0.84	0.25	-30.9	-26.1	-33.7	0.99		
2.1	23.82	1723.9	1710.0	1698.1	0.62	0.84	0.26	-31.5	-26.2	-33.3	0.92		
2.3	24.18	1726.9	1713.0	1701.1	0.63	0.81	0.28	-31.1	-26.1	-33.5	0.99		
2.4	24.65	1730.0	1716.1	1704.1	0.58	0.83	0.26	-30.9	-26.2	-33.4	0.94		
2.5	24.98	1733.2	1719.2	1707.1	0.54	0.84	0.29	-31.5	-26.3	-33.3	0.99		
2.6	25.26	1736.3	1722.4	1710.2	0.54	0.85	0.28	-31.0	-26.4	-33.4	0.95		
2.8	25.66	1739.6	1725.6	1713.3	0.49	0.81	0.24	-31.8	-26.4	-33.5	0.95		
2.9	25.86	1742.8	1728.8	1716.5	0.46	0.75	0.27	-31.6	-26.4	-33.3	0.95		
3.0	25.98	1746.1	1732.1	1719.7	0.47	0.76	0.25	-31.6	-26.5	-33.7	0.90		
3.1	26.35	1749.5	1735.4	1723.0	0.43	0.71	0.21	-31.8	-26.2	-33.9	0.90		
3.3	26.77	1752.8	1738.7	1726.3	0.41	0.68	0.23	-32.0	-26.3	-34.0	0.86		
3.4	27.06	1756.3	1742.1	1729.6	0.42	0.67	0.17	-32.0	-26.4	-33.5	0.86		
3.5	27.21	1759.7	1745.5	1733.0	0.40	0.62	0.12	-32.1	-26.2	-33.3	0.86		
3.6	27.58	1763.2	1749.0	1736.5	0.40	0.58	0.12	-32.3	-26.2	-33.7	0.82		
3.8	27.81	1766.8	1752.4	1739.9	0.42	0.59	0.08	-32.2	-26.3	-33.6	0.79		
3.9	28.03	1770.3	1755.9	1743.4	0.43	0.57	0.02	-32.8	-26.4	-33.5	0.75		
4.0	28.38	1773.9	1759.5	1746.9	0.48	0.55	0.02	-33.2	-26.4	-34.1	0.75		
4.1	28.34	1777.5	1763.0	1750.5	0.50	0.53	-0.03	-33.3	-26.6	-34.2	0.75		
4.3	28.74	1781.1	1766.6	1754.0	0.53	0.55	-0.05	-33.8	-26.4	-35.0	0.70		
4.4	28.82	1784.8	1770.2	1757.6	0.58	0.56	-0.08	-33.7	-26.1	-34.7	0.66		
4.5	28.94	1788.4	1773.8	1761.2	0.63	0.59	-0.07	-34.1	-26.1	-34.8	0.63		
4.6	28.93	1792.1	1777.5	1764.9	0.66	0.61	-0.09	-34.0	-26.2	-35.3	0.61		
4.8	29.27	1795.7	1781.1	1768.5	0.70	0.64	-0.08	-34.2	-26.3	-35.1	0.61		
4.9	28.91	1799.4	1784.7	1772.1	0.75	0.68	-0.05	-34.4	-26.2	-35.8	0.59		
5.0	29.38	1803.1	1788.4	1775.8	0.81	0.74	-0.04	-34.4	-26.4	-35.8	0.54		
5.1	28.99	1806.7	1792.0	1779.4	0.83	0.75	-0.02	-34.5	-26.2	-35.5	0.50		
5.3	29.26	1810.4	1795.7	1783.1	0.90	0.78	0.02	-34.6	-26.2	-36.0	0.49		
5.4	29.12	1814.0	1799.3	1786.7	0.97	0.83	0.03	-34.8	-26.2	-35.6	0.49		
5.5	29.24	1817.7	1803.0	1790.3	1.04	0.89	0.07	-34.8	-26.1	-36.7	0.44		
5.6	28.84	1821.3	1806.6	1793.9	1.05	0.90	0.10	-34.5	-26.1	-36.9	0.41		
5.8	28.98	1824.9	1810.2	1797.6	1.12	0.96	0.14	-35.1	-26.0	-37.2	0.41		
5.9	28.96	1828.6	1813.8	1801.2	1.18	1.01	0.16	-35.3	-25.8	-37.6	0.37		
6.0	28.82	1832.2	1817.4	1804.8	1.21	1.03	0.19	-35.5	-26.0	-37.6	0.39		