

Voltage Controlled Oscillator

ROS-EDR5703

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			
0.3	36.89	1705.5	1701.5	1699.1	-0.85	-1.42	-2.32	-17.0	-26.4	-44.2	-0.06	1	-82
0.5	32.34	1713.4	1709.6	1707.3	-0.90	-1.44	-2.28	-16.9	-26.1	-42.8	-0.03	10	-104
0.8	29.74	1720.7	1717.0	1714.8	-0.92	-1.44	-2.30	-16.8	-25.7	-42.8	-0.03	100	-125
1.0	27.69	1727.5	1723.9	1721.8	-0.96	-1.45	-2.30	-16.8	-25.6	-42.0	-0.03	1000	-144
1.3	26.25	1734.0	1730.5	1728.4	-0.98	-1.48	-2.30	-16.8	-25.3	-40.9	-0.02		
1.5	25.32	1740.4	1736.8	1734.7	-0.94	-1.50	-2.34	-16.8	-25.5	-40.5	-0.01		
1.8	24.52	1746.4	1742.9	1740.9	-0.89	-1.47	-2.30	-16.8	-25.6	-39.8	0.00		
2.0	23.52	1752.3	1748.8	1746.8	-0.89	-1.47	-2.22	-16.9	-25.2	-39.8	0.01		
2.3	23.08	1758.1	1754.6	1752.5	-0.89	-1.49	-2.20	-16.9	-25.0	-39.2	0.02		
2.5	22.56	1763.7	1760.2	1758.2	-0.89	-1.49	-2.23	-16.8	-24.8	-39.0	0.00		
2.8	22.06	1769.2	1765.8	1763.7	-0.92	-1.49	-2.24	-16.8	-25.1	-39.0	0.00		
3.0	21.67	1774.6	1771.2	1769.2	-0.98	-1.51	-2.26	-16.8	-25.3	-39.0	0.00		
3.3	21.37	1780.0	1776.5	1774.5	-1.04	-1.54	-2.30	-16.7	-25.4	-39.1	0.01		
3.5	21.20	1785.3	1781.8	1779.8	-1.11	-1.58	-2.35	-16.5	-25.3	-38.9	0.01		
3.8	21.15	1790.7	1787.1	1785.1	-1.10	-1.62	-2.39	-16.3	-25.5	-39.1	0.01		
4.0	21.26	1796.0	1792.4	1790.3	-1.07	-1.59	-2.39	-16.3	-25.5	-39.2	0.02		
4.3	20.98	1801.2	1797.7	1795.6	-1.13	-1.58	-2.37	-16.1	-25.8	-39.8	0.02		
4.5	20.76	1806.4	1802.9	1800.8	-1.20	-1.61	-2.40	-15.9	-26.2	-40.1	0.04		
4.8	20.80	1811.6	1808.1	1805.9	-1.25	-1.65	-2.48	-15.8	-26.3	-39.9	0.04		
5.0	20.70	1816.8	1813.2	1811.1	-1.32	-1.66	-2.52	-15.7	-26.8	-39.8	0.03		
5.3	20.61	1822.0	1818.4	1816.3	-1.40	-1.69	-2.60	-15.7	-27.6	-40.0	0.03		
5.5	20.70	1827.2	1823.6	1821.5	-1.46	-1.74	-2.63	-15.6	-27.6	-40.6	0.03		
5.8	20.94	1832.5	1828.8	1826.6	-1.47	-1.79	-2.69	-15.6	-27.3	-42.1	0.04		
6.0	21.22	1837.8	1834.1	1831.9	-1.45	-1.77	-2.74	-15.5	-27.6	-42.8	0.04		
6.3	21.17	1843.1	1839.4	1837.2	-1.51	-1.75	-2.73	-15.5	-28.1	-44.8	0.04		
6.5	21.12	1848.4	1844.7	1842.5	-1.59	-1.78	-2.77	-15.4	-29.2	-44.8	0.06		
6.8	21.38	1853.8	1850.0	1847.8	-1.62	-1.83	-2.79	-15.3	-30.1	-47.8	0.08		
7.0	21.59	1859.2	1855.4	1853.1	-1.63	-1.84	-2.91	-15.1	-30.0	-49.3	0.04		