

Voltage Controlled Oscillator

ROS-ED9710/1

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			
0.5	32.06	1555.9	1542.9	1535.0	7.47	7.38	6.82	-22.8	-21.9	-31.3	0.77	1	-77
1.0	28.31	1570.0	1557.1	1549.2	7.56	7.39	6.88	-22.4	-21.8	-30.5	0.80	10	-100
1.5	26.51	1583.3	1570.3	1562.3	7.59	7.48	6.91	-21.8	-21.3	-30.0	0.82	100	-120
2.0	25.80	1596.4	1583.2	1575.1	7.55	7.50	6.99	-21.2	-20.9	-29.6	0.86	1000	-140
2.5	25.82	1609.2	1596.1	1587.8	7.44	7.48	6.98	-20.5	-20.7	-29.3	0.86		
3.0	25.50	1622.3	1608.9	1600.6	7.32	7.35	6.92	-19.9	-20.5	-29.2	0.90		
3.5	26.40	1635.8	1622.1	1613.4	7.18	7.22	6.77	-19.1	-20.3	-29.1	0.92		
4.0	27.50	1649.7	1635.8	1626.9	7.07	7.05	6.61	-18.3	-20.4	-29.3	0.94		
4.5	28.64	1664.6	1650.1	1641.0	7.03	6.94	6.47	-17.6	-20.1	-29.1	0.99		
5.0	30.47	1680.2	1665.4	1655.8	7.10	6.88	6.35	-16.6	-19.7	-28.7	1.02		
5.5	32.27	1696.4	1681.5	1671.5	7.39	6.95	6.31	-15.6	-19.5	-29.1	1.09		
6.0	33.49	1713.6	1698.3	1688.1	7.86	7.29	6.47	-14.8	-19.4	-28.8	1.12		
6.5	35.48	1731.2	1716.0	1705.4	8.23	7.77	6.87	-13.8	-19.5	-28.8	1.15		
7.0	36.10	1749.3	1734.1	1723.5	8.48	8.23	7.41	-13.6	-20.2	-29.4	1.08		
7.5	36.91	1767.4	1752.5	1741.9	8.59	8.45	7.73	-13.6	-21.1	-29.2	1.00		
8.0	36.94	1785.6	1771.0	1760.7	8.46	8.50	7.91	-14.4	-22.3	-31.1	0.82		
8.5	37.66	1804.0	1789.8	1779.8	8.21	8.31	7.84	-15.7	-23.5	-31.9	0.71		
9.0	38.10	1822.9	1808.9	1799.1	7.82	7.99	7.64	-18.0	-25.1	-32.5	0.66		
9.5	39.03	1842.4	1828.4	1818.6	7.58	7.65	7.30	-20.6	-25.4	-33.7	0.67		
10.0	39.81	1862.3	1848.3	1838.5	7.45	7.51	7.09	-22.8	-25.5	-34.3	0.68		
10.5	40.11	1882.4	1868.3	1858.3	7.50	7.46	7.07	-24.8	-25.8	-34.9	0.73		
11.0	39.96	1902.3	1888.3	1878.4	7.64	7.63	7.13	-25.7	-26.3	-33.8	0.75		
11.5	39.76	1922.3	1908.2	1898.1	7.75	7.80	7.39	-24.8	-27.6	-34.0	0.79		
12.0	40.00	1942.4	1928.2	1917.8	7.71	7.88	7.56	-23.5	-29.0	-33.7	0.79		
12.5	39.85	1962.6	1948.1	1937.5	7.50	7.79	7.58	-22.4	-29.6	-34.9	0.81		
13.0	40.07	1982.4	1968.2	1957.2	7.37	7.60	7.50	-21.1	-28.5	-34.2	0.83		
13.5	39.05	2002.1	1987.7	1976.9	7.15	7.43	7.35	-20.5	-27.6	-34.5	0.84		
14.0	38.75	2021.7	2007.1	1996.1	7.01	7.29	7.18	-19.7	-26.5	-34.2	0.84		
14.5	38.24	2040.9	2026.2	2015.0	7.01	7.21	7.05	-18.9	-25.8	-33.9	0.87		
15.0	37.60	2059.9	2045.0	2033.6	7.17	7.29	7.07	-18.0	-24.8	-34.0	0.87		
15.5	36.96	2078.0	2063.5	2051.9	7.44	7.48	7.18	-17.5	-24.1	-33.9	0.85		
16.0	35.00	2095.8	2081.0	2069.7	7.57	7.70	7.44	-17.0	-23.7	-35.0	0.84		
16.5	34.18	2112.9	2098.0	2086.5	7.63	7.88	7.66	-16.9	-23.5	-34.4	0.82		
17.0	32.72	2129.4	2114.4	2102.7	7.55	7.92	7.81	-16.7	-23.2	-35.3	0.79		
17.5	31.30	2145.3	2130.1	2118.2	7.44	7.87	7.84	-16.3	-23.2	-37.1	0.78		
18.0	29.66	2160.2	2144.9	2132.8	7.26	7.77	7.79	-16.0	-23.5	-36.8	0.75		
18.5	27.82	2174.0	2158.8	2146.4	7.06	7.60	7.73	-15.7	-23.5	-38.0	0.62		
19.0	24.98	2186.8	2171.3	2159.2	6.96	7.48	7.54	-15.4	-23.6	-39.9	0.62		
19.5	23.02	2198.5	2182.8	2170.4	6.92	7.33	7.45	-15.3	-24.1	-39.5	0.60		
20.0	20.62	2209.0	2193.1	2180.5	6.95	7.29	7.35	-15.0	-24.3	-39.7	0.63		