

Voltage Controlled Oscillator

ROS-ED8494/3

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			
0.6	37.19	1299.3	1288.2	1277.1	8.81	8.68	8.72	-9.8	-30.8	-29.9	1.33	1	-76
1.2	29.84	1316.6	1306.1	1295.5	8.67	8.50	8.47	-9.9	-30.3	-29.4	1.31	10	-102
1.8	26.65	1332.1	1322.1	1311.8	8.71	8.40	8.30	-9.9	-30.3	-28.7	1.30	100	-123
2.4	24.67	1346.6	1336.9	1326.9	8.63	8.34	8.22	-10.0	-29.9	-28.3	1.27	1000	-143
3.0	23.80	1360.7	1351.2	1341.3	8.53	8.24	8.14	-10.0	-29.5	-27.8	1.27		
3.6	23.47	1374.6	1365.2	1355.5	8.48	8.10	8.01	-10.2	-29.2	-27.5	1.24		
4.2	23.59	1388.5	1379.4	1369.7	8.35	8.01	7.88	-10.2	-28.6	-27.3	1.23		
4.8	23.93	1402.8	1393.8	1384.1	8.19	7.87	7.78	-10.4	-28.3	-27.1	1.23		
5.4	24.63	1417.5	1408.5	1398.8	8.06	7.73	7.63	-11.3	-27.4	-27.0	1.22		
6.0	25.29	1432.4	1423.7	1414.1	7.93	7.60	7.48	-11.3	-26.9	-26.8	1.20		
6.6	26.19	1448.0	1439.4	1429.9	7.84	7.48	7.36	-11.6	-26.4	-26.6	1.20		
7.2	27.37	1464.3	1455.8	1446.2	7.69	7.35	7.24	-11.9	-25.5	-26.3	1.19		
7.8	28.97	1481.6	1473.2	1463.5	7.49	7.14	7.09	-12.2	-24.9	-26.1	1.20		
8.4	30.60	1500.2	1491.6	1481.8	7.25	6.97	6.92	-13.6	-24.5	-25.4	1.20		
9.0	32.52	1519.8	1511.1	1501.1	7.05	6.82	6.75	-14.5	-25.7	-24.5	1.19		
9.6	33.99	1540.3	1531.5	1521.4	6.76	6.65	6.65	-15.3	-22.1	-23.7	1.20		
10.2	34.90	1561.1	1552.4	1542.3	6.67	6.44	6.46	-16.2	-21.2	-23.1	1.17		
10.8	35.60	1582.5	1573.8	1563.5	6.46	6.33	6.34	-15.8	-20.4	-22.6	1.12		
11.4	36.15	1603.9	1595.5	1584.9	6.24	6.12	6.21	-16.9	-20.1	-22.3	1.07		
12.0	36.00	1625.7	1617.1	1606.3	6.19	5.99	6.05	-18.3	-19.1	-22.2	0.98		
12.6	34.02	1646.5	1637.5	1626.9	6.05	5.94	5.97	-19.7	-18.2	-22.1	0.83		
13.2	32.23	1665.5	1656.8	1647.2	5.86	5.82	5.88	-20.0	-17.8	-23.4	0.62		
13.8	33.82	1684.5	1677.1	1667.9	5.83	5.76	5.81	-19.6	-20.0	-26.5	0.61		
14.4	35.64	1706.6	1698.5	1688.3	5.88	5.83	5.84	-19.6	-23.8	-31.3	0.85		
15.0	33.46	1728.0	1718.6	1707.5	5.99	5.90	5.87	-19.7	-25.0	-34.5	1.08		
15.6	30.89	1746.6	1737.1	1725.7	6.18	6.01	5.91	-19.7	-24.5	-33.8	1.18		
16.2	28.57	1763.8	1754.3	1742.8	6.42	6.16	5.97	-19.4	-23.7	-32.8	1.27		
16.8	26.79	1779.4	1770.3	1758.9	6.44	6.27	6.09	-19.1	-22.9	-32.1	1.34		
17.4	25.38	1794.7	1785.6	1774.1	6.36	6.29	6.16	-18.6	-22.6	-32.3	1.39		
18.0	24.37	1809.5	1800.2	1788.7	6.36	6.30	6.16	-18.4	-22.2	-32.4	1.43		
18.6	23.36	1823.4	1814.2	1802.7	6.40	6.34	6.18	-18.3	-21.9	-33.0	1.48		
19.2	22.40	1836.3	1827.6	1816.2	6.46	6.37	6.22	-17.8	-21.7	-33.1	1.50		
19.8	21.40	1849.0	1840.5	1829.2	6.49	6.41	6.25	-17.4	-21.3	-33.6	1.51		
20.4	20.44	1862.3	1852.7	1841.7	6.43	6.45	6.28	-16.9	-21.1	-33.6	1.51		
21.0	19.56	1875.0	1864.5	1853.5	6.38	6.50	6.33	-16.8	-21.1	-32.9	1.52		
21.6	18.88	1885.8	1875.8	1865.0	6.54	6.53	6.38	-16.4	-20.9	-32.5	1.50		
22.2	18.21	1896.4	1886.7	1876.0	6.57	6.54	6.41	-17.8	-20.9	-32.1	1.52		
22.8	17.76	1907.1	1897.4	1886.6	6.54	6.54	6.43	-17.5	-20.9	-32.3	1.50		
24.0	16.56	1927.3	1917.6	1906.8	6.50	6.51	6.41	-16.9	-20.7	-31.5	1.47		
24.6	15.88	1936.9	1927.2	1916.4	6.51	6.54	6.41	-16.8	-20.7	-31.2	1.44		