

Voltage Controlled Oscillator

ROS-ED9893/1

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	103.08	862.9	842.4	833.8	5.82	5.00	4.69	-16.4	-25.9	-48.4	0.18	1	-70
1.0	90.23	906.8	887.5	878.9	5.84	5.66	5.29	-15.6	-27.6	-46.4	0.24	10	-98
1.5	81.17	946.5	928.1	919.5	5.66	5.15	4.73	-15.0	-29.7	-46.7	0.30	100	-120
2.0	75.47	983.3	965.8	957.3	5.71	5.01	4.51	-14.5	-32.3	-49.7	0.35	1000	-140
2.5	70.61	1018.1	1001.1	992.8	6.30	5.45	4.75	-14.2	-35.1	-49.5	0.37		
3.0	67.73	1051.7	1035.0	1026.6	6.46	5.69	5.04	-13.8	-38.0	-46.2	0.40		
3.5	65.84	1084.3	1067.9	1059.6	6.38	5.88	5.24	-13.5	-41.2	-42.8	0.45		
4.0	64.17	1116.2	1100.0	1091.6	5.84	5.39	4.95	-13.3	-41.2	-40.5	0.52		
4.5	63.50	1148.1	1131.7	1123.2	5.87	5.16	4.50	-13.3	-38.7	-39.4	0.57		
5.0	63.32	1179.9	1163.4	1154.7	6.08	5.28	4.60	-13.3	-36.6	-39.3	0.65		
5.5	63.56	1211.9	1195.2	1186.2	6.43	5.69	4.93	-13.4	-34.6	-42.2	0.73		
6.0	64.02	1244.0	1227.2	1218.0	6.24	5.80	5.24	-13.7	-35.4	-46.8	0.86		
6.5	64.67	1276.4	1259.5	1250.2	5.94	5.64	5.13	-14.2	-38.1	-40.2	0.94		
7.0	65.66	1309.5	1292.3	1282.8	5.48	5.21	4.80	-14.9	-40.4	-36.7	1.05		
7.5	66.96	1343.2	1325.8	1316.0	5.69	5.13	4.55	-15.4	-39.9	-33.9	1.14		
8.0	68.46	1377.8	1360.1	1350.1	6.01	5.42	4.89	-16.4	-36.0	-32.3	1.19		
8.5	69.51	1412.9	1394.8	1384.6	6.11	5.79	5.28	-17.4	-32.9	-30.8	1.24		
9.0	70.66	1448.4	1430.1	1419.7	5.79	5.62	5.30	-18.5	-31.2	-29.7	1.25		
9.5	71.05	1483.9	1465.7	1455.1	5.41	5.30	5.01	-19.6	-29.6	-29.1	1.16		
10.0	70.69	1519.0	1501.0	1490.5	5.62	5.06	4.65	-21.0	-29.0	-29.6	0.94		
10.5	69.50	1553.1	1535.8	1525.3	5.95	5.48	4.98	-22.2	-29.3	-29.3	0.67		
11.0	67.99	1586.4	1569.8	1559.6	6.12	5.73	5.27	-24.2	-30.7	-28.7	0.30		
11.5	66.18	1618.6	1602.9	1593.1	5.80	5.67	5.37	-25.8	-35.8	-27.9	0.14		
12.0	65.02	1650.3	1635.4	1625.9	5.52	5.30	5.01	-27.4	-35.4	-29.2	0.63		
12.5	62.49	1680.6	1666.6	1657.5	5.46	5.14	4.76	-29.5	-29.7	-30.7	1.12		
13.0	59.44	1709.5	1696.3	1687.7	5.87	5.29	4.80	-31.4	-28.1	-31.8	1.63		
13.5	57.04	1737.1	1724.8	1716.7	6.18	5.75	5.21	-33.7	-26.0	-33.7	2.15		
14.0	54.69	1763.6	1752.2	1744.5	6.27	5.90	5.47	-34.6	-24.4	-34.3	2.58		
14.5	52.45	1789.2	1778.4	1771.1	6.22	5.89	5.51	-35.7	-23.2	-36.0	2.98		
15.0	50.56	1813.9	1803.7	1796.7	5.97	5.70	5.37	-35.7	-22.9	-37.7	3.33		
15.5	48.97	1838.0	1828.2	1821.4	5.82	5.45	5.07	-36.3	-22.3	-40.6	3.61		
16.0	47.43	1861.3	1851.9	1845.2	5.87	5.42	4.94	-36.8	-21.6	-42.7	3.83		
16.5	45.97	1884.2	1874.9	1868.3	6.08	5.51	5.01	-38.1	-21.3	-44.3	3.98		
17.0	44.53	1906.9	1897.2	1890.5	6.51	5.73	5.17	-37.9	-21.2	-44.3	4.13		
17.5	43.12	1928.8	1918.7	1911.9	6.74	5.93	5.36	-38.4	-20.9	-41.6	4.18		
18.0	41.73	1949.9	1939.6	1932.7	6.67	5.93	5.43	-38.4	-21.0	-39.7	4.17		
18.5	40.17	1970.2	1959.7	1952.6	6.48	5.80	5.32	-37.4	-21.0	-38.6	4.14		
19.0	38.71	1989.6	1979.0	1971.7	6.22	5.60	5.16	-37.1	-21.0	-36.2	4.03		
19.5	37.11	2008.3	1997.6	1990.1	6.00	5.37	4.90	-37.3	-21.3	-35.6	3.99		
20.0	35.95	2026.3	2015.6	2007.8	5.87	5.24	4.70	-36.6	-21.7	-34.2	3.90		