

Voltage Controlled Oscillator

ROS-ED9276/2

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			
1.0	75.26	925.1	905.4	887.0	10.43	9.86	9.01	-9.9	-24.1	-44.4	0.67	1	-78
1.5	72.35	960.7	941.6	924.1	10.42	9.95	8.75	-9.8	-24.9	-41.7	0.67	10	-100
2.0	70.06	994.6	976.6	960.4	10.71	9.86	8.46	-9.6	-26.0	-39.2	0.68	100	-120
2.5	66.89	1027.9	1010.1	995.2	11.05	10.03	8.51	-9.5	-30.5	-41.8	0.61	1000	-140
3.0	66.81	1060.9	1043.5	1029.1	11.39	9.99	8.31	-9.2	-36.7	-43.1	0.61		
3.5	66.21	1093.4	1076.6	1062.8	11.55	10.15	8.40	-8.9	-45.6	-41.2	0.66		
4.0	64.77	1125.6	1108.9	1095.7	11.68	10.08	8.35	-9.1	-39.1	-39.8	0.70		
4.5	65.28	1158.1	1141.6	1128.6	11.61	10.10	8.42	-9.1	-33.8	-38.7	0.73		
5.0	65.87	1190.8	1174.5	1161.7	11.73	10.03	8.33	-9.2	-30.8	-39.6	0.76		
5.5	65.73	1223.8	1207.4	1194.6	11.72	10.11	8.51	-9.3	-28.7	-36.1	0.81		
6.0	67.19	1257.5	1241.0	1228.0	11.81	10.13	8.48	-9.5	-26.9	-35.1	0.86		
6.5	68.77	1291.7	1275.4	1262.2	11.82	10.24	8.70	-9.5	-25.8	-33.9	0.89		
7.0	69.15	1326.4	1309.9	1296.6	11.99	10.31	8.75	-9.8	-25.5	-32.9	0.96		
7.5	70.83	1361.9	1345.4	1331.8	12.11	10.49	9.02	-10.0	-25.2	-33.1	0.02		
8.0	71.98	1397.3	1381.3	1367.8	12.22	10.66	9.20	-10.3	-25.2	-33.4	0.06		
8.5	71.93	1432.8	1417.3	1404.0	12.26	10.78	9.46	-10.6	-26.5	-32.4	0.09		
9.0	71.77	1468.0	1453.2	1440.3	12.35	11.01	9.80	-11.2	-28.0	-31.5	0.04		
9.5	69.77	1501.9	1488.1	1476.0	12.39	11.05	10.00	-12.2	-29.6	-31.8	0.73		
10.0	70.73	1537.1	1523.4	1511.4	11.97	10.95	10.00	-15.0	-27.4	-35.2	0.16		
10.5	75.56	1575.9	1561.2	1548.4	11.06	10.43	9.81	-18.9	-26.6	-36.4	0.03		
11.0	75.02	1614.4	1598.7	1585.4	10.69	10.30	9.79	-22.7	-24.2	-36.2	0.10		
11.5	73.56	1651.8	1635.5	1621.6	10.55	10.29	9.81	-26.9	-24.4	-36.9	0.08		
12.0	72.35	1687.8	1671.7	1657.6	10.55	10.27	9.82	-30.2	-24.2	-39.1	0.02		
12.5	69.38	1722.5	1706.4	1692.5	10.76	10.48	9.92	-30.2	-24.3	-40.8	0.14		
13.0	67.84	1756.6	1740.3	1726.2	10.94	10.65	10.12	-28.0	-24.6	-41.1	0.26		
13.5	66.34	1789.6	1773.5	1759.3	11.26	10.90	10.29	-25.6	-25.6	-41.7	0.35		
14.0	63.04	1821.2	1805.0	1790.9	11.37	11.11	10.57	-24.2	-26.3	-41.0	0.41		
14.5	61.21	1852.5	1835.6	1821.0	11.47	11.16	10.64	-23.2	-27.3	-40.3	0.38		
15.0	59.89	1882.7	1865.5	1850.5	11.59	11.26	10.69	-22.4	-27.8	-41.4	0.34		
15.5	56.61	1911.3	1893.8	1878.8	11.71	11.33	10.77	-21.6	-27.8	-43.6	0.27		
16.0	54.08	1939.2	1920.9	1905.4	11.85	11.46	10.84	-21.0	-27.6	-43.7	0.12		
16.5	52.71	1966.4	1947.2	1930.9	11.90	11.53	10.96	-20.7	-27.2	-42.7	0.08		
17.0	50.98	1992.1	1972.7	1955.9	12.02	11.61	11.02	-21.0	-27.3	-40.3	0.25		
17.5	47.74	2016.2	1996.6	1979.8	12.11	11.70	11.10	-20.6	-27.4	-38.7	0.44		
18.0	44.64	2039.4	2018.9	2001.9	12.26	11.81	11.20	-20.5	-28.0	-37.4	0.64		
18.5	43.06	2061.9	2040.5	2022.7	12.37	11.95	11.34	-20.1	-28.1	-40.0	0.85		
19.0	41.70	2083.0	2061.3	2042.8	12.32	12.04	11.48	-19.9	-28.2	-39.0	0.08		
19.5	39.24	2102.5	2080.9	2062.3	12.32	12.00	11.53	-19.8	-28.2	-36.4	0.23		
20.0	36.24	2120.7	2099.0	2080.6	12.39	11.99	11.52	-19.9	-28.3	-36.6	0.39		