

Voltage Controlled Oscillator

ROS-ED9671A/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			
0.5	76.33	890.5	870.4	856.5	7.67	7.58	7.01	-15.9	-24.7	-45.7	0.05	1	-72
1.0	71.11	926.9	906.0	891.8	7.30	7.27	7.19	-15.8	-27.3	-46.0	0.05	10	-98
1.5	68.85	961.2	940.4	925.8	7.15	7.00	6.61	-15.7	-29.7	-49.3	0.05	100	-118
2.0	65.87	994.3	973.3	958.8	7.49	6.80	6.31	-15.5	-31.9	-51.0	0.08	1000	-138
2.5	64.13	1026.6	1005.4	990.9	7.86	7.26	6.39	-15.5	-35.9	-48.6	0.07		
3.0	63.33	1058.5	1037.1	1022.6	8.12	7.38	6.72	-15.2	-37.5	-44.4	0.06		
3.5	63.43	1090.9	1068.8	1054.2	8.07	7.64	6.74	-14.5	-38.4	-42.8	0.04		
4.0	65.25	1122.1	1101.4	1086.5	7.58	7.29	6.61	-14.2	-38.3	-46.6	0.18		
4.5	63.41	1153.3	1133.1	1118.6	7.50	7.01	6.04	-14.9	-37.5	-43.3	0.32		
5.0	63.83	1185.2	1165.0	1150.8	7.71	7.05	6.10	-15.6	-36.0	-40.4	0.40		
5.5	64.59	1217.5	1197.3	1183.5	7.90	7.39	6.41	-16.4	-36.0	-37.6	0.42		
6.0	65.95	1250.8	1230.3	1216.6	7.70	7.36	6.69	-17.1	-36.8	-36.3	0.46		
6.5	67.62	1284.7	1264.1	1250.5	7.23	7.15	6.56	-17.9	-40.2	-34.6	0.49		
7.0	69.01	1319.4	1298.6	1285.1	6.94	6.60	6.18	-19.0	-41.5	-33.9	0.52		
7.5	70.37	1354.7	1333.8	1320.3	7.18	6.69	5.98	-20.0	-39.2	-32.4	0.52		
8.0	71.04	1390.4	1369.3	1355.8	7.47	6.96	6.29	-21.5	-36.0	-32.7	0.48		
8.5	70.82	1425.8	1404.7	1391.3	7.24	7.16	6.63	-23.1	-34.4	-32.8	0.39		
9.0	70.09	1460.0	1439.8	1427.1	6.76	6.74	6.36	-23.6	-34.8	-35.8	0.14		
9.5	74.66	1497.1	1477.1	1465.0	6.28	6.15	5.73	-23.3	-34.2	-41.6	0.43		
10.0	79.90	1538.7	1517.1	1503.9	6.90	6.17	5.37	-25.0	-29.9	-34.7	0.72		
10.5	77.53	1577.4	1555.8	1542.2	7.29	6.58	5.77	-26.3	-27.5	-33.6	0.94		
11.0	75.02	1614.1	1593.3	1579.9	7.12	6.76	6.06	-28.2	-26.0	-32.5	1.28		
11.5	73.36	1650.1	1630.0	1616.8	6.78	6.36	5.80	-30.7	-24.7	-31.2	1.67		
12.0	71.07	1684.5	1665.6	1653.0	6.70	6.12	5.39	-33.2	-24.0	-30.9	2.10		
12.5	68.93	1717.8	1700.0	1688.2	7.14	6.29	5.37	-35.4	-23.3	-31.1	2.45		
13.0	66.97	1750.5	1733.5	1722.3	7.30	6.71	5.78	-38.4	-22.8	-33.1	2.76		
13.5	65.07	1782.2	1766.0	1755.4	7.26	6.73	5.95	-40.1	-22.7	-35.2	3.03		
14.0	62.89	1813.1	1797.5	1787.4	6.86	6.55	5.86	-39.9	-22.6	-36.5	3.26		
14.5	60.98	1843.0	1828.0	1818.2	6.65	6.12	5.43	-42.0	-22.9	-35.9	3.40		
15.0	59.01	1872.1	1857.5	1847.9	6.69	6.03	5.27	-41.9	-23.1	-35.5	3.50		
15.5	57.21	1900.6	1886.1	1876.5	6.92	6.16	5.31	-44.2	-23.3	-36.6	3.55		
16.0	55.22	1928.2	1913.7	1904.0	7.11	6.44	5.59	-42.6	-22.3	-41.1	3.52		
16.5	52.88	1954.9	1940.1	1930.2	6.99	6.47	5.74	-41.4	-21.0	-44.8	3.49		
17.0	50.45	1980.3	1965.4	1955.3	6.75	6.30	5.63	-41.8	-20.0	-43.4	3.37		
17.5	47.96	2004.3	1989.3	1979.0	6.52	6.02	5.36	-41.6	-19.7	-42.0	3.28		
18.0	45.48	2027.2	2012.1	2001.8	6.43	5.83	5.13	-42.0	-19.8	-39.5	3.18		
18.5	43.48	2049.1	2033.8	2023.4	6.55	5.77	4.96	-42.2	-20.0	-37.3	3.00		
19.0	41.76	2070.0	2054.7	2044.2	6.72	5.86	5.00	-43.8	-20.3	-36.1	2.81		
19.5	39.94	2090.1	2074.7	2064.1	6.90	6.03	5.12	-45.1	-20.7	-34.0	2.65		
20.0	38.46	2109.3	2093.9	2083.2	6.97	6.17	5.27	-49.5	-21.2	-32.7	2.42		