Voltage Controlled Oscillator ROS-ED9671/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55ºC	+25ºC	+85ºC	-55ºC	+25ºC	+85ºC	F2	F3	F4	
0.5	60.07	1028.1	1013.9	1001.7	6.30	6.03	5.91	-13.1	-37.2	-40.4	0.73
1.0	61.70	1058.8	1044.7	1032.6	6.71	6.27	5.76	-12.0	-39.5	-40.8	0.62
1.5	63.45	1090.9	1076.5	1064.4	7.15	6.44	5.97	-11.2	-41.2	-41.4	0.53
2.0	64.50	1122.7	1108.7	1097.3	7.59	6.97	6.11	-10.6	-41.0	-40.9	0.44
2.5	64.67	1154.5	1141.0	1130.1	7.24	6.75	6.12	-10.2	-38.0	-44.3	0.36
3.0	65.10	1186.8	1173.6	1163.3	7.10	6.35	5.43	-10.1	-35.5	-40.6	0.32
3.5	65.53	1218.8	1206.4	1196.6	7.25	6.12	5.12	-10.0	-33.2	-41.9	0.28
4.0	65.72	1251.3	1239.2	1229.8	7.48	6.37	5.25	-10.2	-31.8	-43.0	0.25
4.5	66.58	1284.0	1272.5	1263.6	7.32	6.19	5.25	-10.7	-29.4	-43.7	0.26
5.0	67.44	1317.3	1306.2	1297.3	6.76	5.77	5.05	-11.2	-27.8	-42.3	0.28
5.5	68.58	1352.0	1340.5	1331.5	5.95	5.06	4.43	-12.6	-25.9	-39.6	0.30
6.0	70.04	1388.0	1375.5	1366.2	5.49	4.81	4.25	-14.4	-24.0	-36.5	0.32
6.5	71.68	1425.2	1411.4	1401.4	5.23	4.84	4.35	-16.7	-22.8	-34.5	0.33
7.0	72.60	1462.6	1447.7	1437.2	4.80	4.80	4.60	-18.6	-22.3	-33.0	0.36
7.5	73.71	1500.4	1484.5	1473.4	4.54	4.48	4.26	-20.1	-22.0	-32.5	0.42
8.0	74.78	1538.2	1521.9	1510.6	4.63	4.30	4.04	-20.7	-25.5	-31.4	0.42
8.5	75.72	1576.5	1559.8	1548.1	5.03	4.71	4.29	-21.7	-21.5	-30.2	0.42
9.0	76.70	1615.1	1598.1	1586.2	5.14	4.92	4.57	-23.1	-21.6	-29.3	0.36
9.5	76.92	1653.4	1636.6	1624.5	4.87	4.79	4.60	-25.6	-21.7	-29.5	0.26
10.0	76.87	1691.9	1675.0	1662.8	4.88	4.75	4.31	-29.5	-21.1	-29.6	0.06
10.5	76.63	1729.9	1713.3	1701.1	5.32	4.86	4.47	-29.4	-20.8	-28.9	0.13
11.0	75.05	1767.3	1750.9	1738.6	5.63	5.38	4.99	-27.9	-21.0	-28.6	0.35
11.5	73.80	1804.0	1787.8	1775.6	5.37	5.24	5.13	-25.4	-21.4	-28.2	0.58
12.0	71.88	1840.1	1823.7	1811.3	5.25	5.02	4.85	-23.6	-22.0	-28.3	0.77
12.5	69.13	1874.4	1858.3	1846.2	5.80	5.32	4.98	-22.3	-21.8	-29.8	0.91
13.0	66.87	1908.0	1891.7	1879.0	6.13	5.76	5.41	-21.0	-22.1	-31.2	1.01
13.5	64.05	1940.2	1923.7	1910.8	6.16	5.98	5.72	-20.0	-22.3	-33.1	1.03
14.0	60.59	1970.6	1954.0	1941.2	5.97	5.85	5.73	-19.4	-22.7	-34.7	1.00
14.5	57.45	2000.1	1982.8	1969.2	6.12	5.84	5.58	-18.6	-23.8	-32.5	0.91
15.0	54.23	2027.3	2009.9	1996.0	6.22	5.87	5.57	-18.2	-23.5	-31.6	0.80
15.5	50.76	2052.9	2035.3	2021.5	6.57	6.17	5.81	-17.5	-23.4	-30.0	0.68
16.0	47.60	2077.1	2059.1	2044.7	6.69	6.48	6.16	-17.2	-23.1	-32.4	0.50
16.5	44.64	2100.1	2081.4	2066.5	6.55	6.58	6.26	-16.9	-23.1	-32.9	0.36
17.0	41.80	2121.1	2102.3	2087.1	6.54	6.47	6.23	-16.8	-22.9	-28.6	0.22
17.5	39.32	2140.7	2121.9	2106.7	6.37	6.43	6.36	-16.3	-22.9	-29.5	0.05
18.0	36.54	2159.1	2140.2	2124.7	6.34	6.25	6.23	-16.0	-23.5	-30.5	0.09
18.5	34.00	2176.4	2157.2	2141.3	6.43	6.26	6.15	-16.0	-23.9	-30.8	0.19
19.0	31.72	2192.9	2173.1	2156.9	6.66	6.37	6.16	-15.9	-24.1	-31.8	0.31
19.5	29.74	2207.7	2187.9	2171.5	6.86	6.55	6.33	-15.8	-24.0	-32.6	0.40
20.0	27.94	2221.6	2201.9	2185.3	6.85	6.68	6.34	-15.9	-24.2	-33.0	0.49

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-75
10	-100
100	-120
1000	-140