

Voltage Controlled Oscillator

ROS-ED10524/2

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	74.85	1005.8	984.8	967.6	9.38	9.78	9.44	-11.0	-32.0	-28.3	2.09	1	-76
1.0	74.79	1045.6	1022.2	1005.1	9.05	9.23	9.07	-11.1	-31.6	-27.7	2.22	10	-103
1.5	80.62	1086.0	1062.5	1044.8	8.91	8.99	8.41	-10.9	-28.6	-26.8	1.71	100	-123
2.0	74.05	1126.7	1099.6	1085.4	8.80	8.48	8.02	-11.2	-26.1	-26.8	1.01	1000	-143
2.5	88.27	1162.2	1143.7	1127.1	8.40	8.33	7.62	-11.5	-22.9	-27.4	1.34		
3.0	84.65	1209.2	1186.0	1166.8	8.30	7.84	7.07	-12.2	-22.1	-34.5	1.31		
3.5	83.41	1251.0	1227.7	1212.3	8.10	7.56	6.77	-12.5	-20.7	-29.5	1.12		
4.0	86.75	1293.4	1271.1	1255.3	8.12	7.49	6.46	-12.7	-20.2	-28.7	1.15		
4.5	83.47	1333.7	1312.8	1298.0	8.15	7.48	6.46	-12.9	-18.6	-27.4	1.09		
5.0	83.46	1375.0	1354.6	1339.9	8.05	7.44	6.49	-13.9	-18.0	-26.6	1.06		
5.5	80.75	1413.0	1394.9	1381.1	7.76	7.39	6.51	-15.1	-17.7	-25.9	0.98		
6.0	79.71	1452.5	1434.8	1421.0	7.72	7.29	6.29	-15.7	-17.6	-25.9	0.96		
6.5	76.41	1492.2	1473.0	1460.2	7.38	6.90	6.38	-17.8	-17.6	-27.0	1.03		
7.0	81.93	1531.6	1514.0	1500.6	7.77	7.35	6.27	-19.0	-17.9	-27.6	0.92		
7.5	79.30	1572.3	1553.6	1539.4	8.03	7.53	6.59	-18.3	-20.0	-30.5	1.00		
8.0	77.34	1609.8	1592.3	1578.3	8.40	7.95	6.84	-16.9	-21.5	-27.4	1.03		
8.5	71.98	1645.3	1628.3	1614.6	8.17	8.08	7.30	-16.1	-22.8	-25.7	1.02		
9.0	71.25	1680.4	1663.9	1650.6	8.17	8.13	7.38	-15.0	-23.3	-24.9	0.93		
9.5	69.13	1715.3	1698.5	1685.5	8.36	8.36	7.60	-13.0	-23.2	-24.9	0.90		
10.0	68.13	1748.9	1732.5	1720.1	8.44	8.53	7.87	-12.8	-23.0	-26.4	0.76		
10.5	67.00	1783.4	1766.0	1753.3	8.51	8.56	7.97	-11.7	-22.8	-28.2	0.61		
11.0	68.19	1817.1	1800.1	1787.2	8.95	8.99	8.16	-10.6	-22.6	-30.6	0.49		
11.5	62.27	1850.5	1831.3	1819.2	9.00	9.05	8.47	-10.2	-22.6	-30.9	0.33		
12.0	65.52	1881.5	1864.0	1851.3	9.44	9.38	8.34	-9.7	-22.4	-31.0	0.19		
12.5	58.73	1911.0	1893.4	1881.7	9.33	9.42	8.79	-10.0	-22.4	-34.5	0.02		
13.0	59.92	1941.6	1923.3	1909.6	9.63	9.25	8.70	-9.5	-23.1	-35.8	0.14		
13.5	56.71	1969.4	1951.7	1940.0	9.70	9.58	8.80	-9.2	-23.2	-39.4	0.22		
14.0	53.15	1996.7	1978.3	1966.3	9.51	9.56	8.91	-9.1	-23.4	-40.8	0.35		
14.5	57.15	2023.7	2006.9	1992.0	9.93	9.50	8.76	-9.4	-23.6	-37.7	0.37		
15.0	47.40	2048.1	2030.6	2019.0	9.93	9.71	8.96	-9.4	-23.9	-36.6	0.44		
15.5	48.10	2074.1	2054.6	2041.8	9.52	9.65	9.06	-9.7	-24.3	-39.9	0.54		
16.0	50.64	2097.7	2079.9	2065.0	9.77	9.34	8.89	-9.5	-25.0	-32.1	0.54		
16.5	42.66	2118.0	2101.3	2088.9	9.84	9.52	8.74	-9.9	-25.2	-31.4	0.44		
17.0	39.60	2139.9	2121.1	2108.6	9.38	9.50	8.92	-10.0	-25.5	-32.6	0.48		
17.5	42.54	2162.0	2142.3	2127.4	9.26	9.00	8.85	-10.3	-26.4	-31.0	0.65		
18.0	42.34	2180.6	2163.5	2147.5	9.34	8.76	8.29	-10.5	-27.3	-31.0	0.52		
18.5	35.62	2197.7	2181.3	2167.8	9.39	8.84	8.08	-10.6	-27.3	-31.8	0.50		
19.0	32.64	2214.8	2197.6	2184.3	9.20	8.86	8.22	-11.0	-28.2	-32.8	0.55		
19.5	33.76	2233.2	2214.5	2199.8	9.09	8.59	8.22	-11.4	-28.8	-35.9	0.70		
20.0	35.86	2248.7	2232.4	2215.1	9.21	8.49	7.99	-11.5	-29.4	-39.2	0.72		
20.5	29.50	2263.2	2247.2	2232.6	9.22	8.67	7.61	-11.7	-30.2	-34.1	0.64		
21.0	26.72	2277.1	2260.5	2247.5	9.14	8.70	7.81	-12.1	-31.4	-35.1	0.69		