

Voltage Controlled Oscillator

ROS-ED9252/1

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			
0.7	101.51	948.6	925.9	906.0	4.60	4.69	3.93	-10.0	-24.0	-40.3	1.14	1	-75
1.4	93.54	1011.2	989.5	971.8	5.40	5.05	3.88	-9.3	-29.9	-34.9	0.76	10	-100
2.0	89.32	1071.5	1050.3	1034.2	5.94	5.19	3.95	-9.2	-32.6	-30.9	0.39	100	-120
2.7	87.23	1129.7	1109.6	1094.9	6.16	5.20	4.00	-9.3	-33.6	-29.5	0.05	1000	-140
3.4	86.47	1187.5	1168.4	1154.7	6.20	5.17	3.99	-9.9	-29.0	-29.5	0.52		
4.1	85.03	1244.5	1226.2	1213.2	6.04	5.12	4.06	-10.2	-25.8	-27.3	1.04		
4.8	83.19	1300.1	1282.8	1270.5	5.94	5.21	4.20	-10.6	-23.5	-27.2	1.73		
5.4	80.34	1354.1	1337.4	1325.8	6.08	5.37	4.37	-11.1	-22.4	-27.7	2.37		
6.1	77.24	1406.0	1389.9	1379.1	6.00	5.38	4.48	-12.0	-22.4	-28.0	2.85		
6.8	76.14	1457.0	1441.7	1431.5	5.76	5.13	4.23	-13.6	-23.3	-33.3	2.52		
7.5	79.06	1511.9	1495.5	1484.2	4.80	4.42	3.71	-17.6	-23.4	-38.1	1.31		
8.2	78.82	1567.4	1549.1	1536.1	4.23	4.23	3.75	-23.8	-23.2	-41.9	0.31		
8.8	75.88	1620.1	1600.7	1586.8	4.23	4.35	3.85	-30.4	-22.1	-39.2	0.08		
9.5	73.66	1670.8	1650.8	1636.3	4.15	4.24	3.79	-38.0	-21.9	-39.6	0.00		
10.2	71.89	1720.0	1699.6	1684.9	4.28	4.30	3.73	-40.5	-22.1	-40.4	0.34		
10.9	69.82	1767.7	1747.1	1732.2	4.38	4.32	3.80	-40.0	-22.9	-41.7	0.73		
11.6	67.79	1813.9	1793.2	1778.2	4.46	4.50	3.92	-37.9	-23.1	-44.6	1.17		
12.2	64.95	1858.5	1837.4	1822.4	4.48	4.47	3.90	-36.7	-24.3	-43.8	1.47		
12.9	62.72	1901.5	1880.0	1864.8	4.37	4.43	3.89	-34.0	-23.3	-43.2	1.54		
13.6	59.16	1942.3	1920.3	1905.0	4.29	4.32	3.75	-32.8	-26.0	-43.5	1.49		
14.3	56.47	1981.1	1958.7	1942.9	4.34	4.36	3.71	-31.2	-24.7	-43.3	1.18		
15.0	52.97	2017.2	1994.7	1978.5	4.36	4.36	3.74	-30.3	-23.6	-44.4	0.75		
15.6	48.93	2051.1	2028.0	2011.3	4.48	4.44	3.74	-29.5	-24.1	-43.4	0.14		
16.3	45.59	2082.7	2059.0	2041.9	4.47	4.50	3.87	-28.3	-23.7	-43.8	0.50		
17.0	42.31	2111.5	2087.7	2070.1	4.41	4.49	3.91	-28.4	-23.8	-40.3	1.10		
17.7	38.57	2138.1	2114.0	2096.1	4.32	4.48	3.90	-28.1	-24.1	-40.1	1.60		
18.4	35.26	2162.6	2137.9	2119.6	4.14	4.41	3.91	-28.1	-25.0	-38.4	2.20		
19.0	32.09	2184.9	2159.8	2141.0	4.13	4.28	3.86	-28.7	-28.4	-37.9	2.58		
19.7	29.60	2204.9	2179.9	2160.5	4.19	4.26	3.75	-29.0	-29.8	-38.4	2.98		
20.4	26.13	2222.8	2197.7	2178.1	4.26	4.32	3.74	-28.7	-28.7	-38.9	3.54		
21.1	23.46	2239.0	2213.6	2193.9	4.26	4.39	3.79	-29.5	-31.4	-41.6	3.74		
21.8	21.18	2253.8	2228.0	2208.1	4.23	4.44	3.87	-29.6	-29.4	-48.4	4.18		
22.4	19.16	2267.4	2241.0	2220.8	4.23	4.44	3.92	-29.8	-31.1	-44.5	4.44		
23.1	17.51	2279.4	2252.9	2232.4	4.24	4.44	3.95	-29.8	-30.1	-43.8	4.80		
23.8	16.51	2290.5	2264.2	2243.1	4.22	4.45	3.96	-30.4	-30.3	-47.1	5.18		
24.5	14.81	2300.5	2274.2	2252.8	4.21	4.45	3.96	-30.3	-31.9	-44.2	5.26		
25.2	13.47	2309.6	2283.4	2261.8	4.19	4.46	3.95	-30.5	-31.1	-45.0	5.50		