

Voltage Controlled Oscillator

ROS-ED9977/1

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			
0.5	44.24	956.0	944.2	933.8	10.74	11.10	10.96	-9.1	-38.8	-31.1	2.30	1	-74
1.0	46.42	977.7	967.4	956.2	10.75	10.79	10.71	-8.9	-41.8	-30.4	2.37	10	-100
1.5	51.88	1006.7	993.3	979.7	10.71	10.73	10.46	-8.7	-46.2	-30.5	1.89	100	-120
2.0	55.17	1034.0	1020.9	1009.8	10.72	10.62	10.10	-8.4	-46.3	-29.5	1.47	1000	-140
2.5	56.57	1062.3	1049.2	1038.2	10.72	10.30	9.71	-8.4	-39.6	-30.6	1.41		
3.0	60.66	1093.0	1079.5	1067.9	10.37	9.91	9.36	-8.5	-35.0	-31.8	1.24		
3.5	62.19	1123.6	1110.6	1100.8	10.30	9.60	8.63	-8.7	-31.8	-32.9	1.00		
4.0	63.80	1155.1	1142.5	1132.8	9.82	9.17	8.26	-9.3	-28.3	-35.0	0.90		
4.5	67.43	1189.1	1176.2	1165.3	9.43	8.51	7.51	-10.0	-25.9	-39.0	0.89		
5.0	67.12	1223.0	1209.8	1200.0	8.92	8.15	7.32	-10.8	-23.9	-36.0	0.90		
5.5	68.80	1258.2	1244.2	1234.1	8.33	7.64	6.85	-11.9	-22.6	-35.5	0.90		
6.0	72.23	1294.5	1280.3	1269.8	7.97	7.31	6.64	-13.2	-21.4	-33.3	0.96		
6.5	72.15	1331.2	1316.4	1305.4	7.72	7.18	6.53	-14.3	-20.1	-31.1	0.97		
7.0	75.12	1369.5	1354.0	1341.9	7.45	7.14	6.63	-14.5	-19.6	-29.0	0.96		
7.5	75.61	1407.8	1391.8	1379.9	7.42	7.31	6.78	-14.3	-19.9	-28.1	0.97		
8.0	75.42	1446.5	1429.5	1417.2	7.42	7.25	6.77	-15.3	-20.4	-28.0	0.97		
8.5	77.40	1485.3	1468.2	1455.8	7.28	7.17	6.74	-17.3	-20.8	-27.7	0.97		
9.0	76.57	1523.9	1506.5	1494.0	7.47	7.19	6.66	-20.2	-21.1	-27.6	0.86		
9.5	77.80	1562.6	1545.4	1532.8	7.52	7.35	6.92	-22.8	-21.6	-27.6	0.68		
10.0	77.38	1601.2	1584.0	1571.4	7.56	7.40	7.05	-24.0	-24.5	-27.1	0.46		
10.5	76.82	1639.1	1622.5	1609.8	7.72	7.58	7.13	-24.2	-21.0	-26.8	0.16		
11.0	74.68	1676.3	1659.8	1647.2	7.73	7.61	7.23	-22.9	-21.4	-27.1	0.12		
11.5	74.34	1713.0	1697.0	1684.0	8.04	7.77	7.24	-20.9	-21.3	-26.3	0.48		
12.0	70.54	1748.3	1732.2	1719.9	8.23	8.02	7.60	-19.2	-21.3	-26.9	0.78		
12.5	69.61	1784.0	1767.0	1754.1	8.43	8.15	7.77	-17.8	-21.3	-26.9	1.09		
13.0	67.85	1816.9	1801.0	1788.6	8.79	8.56	8.01	-16.8	-21.6	-27.2	1.17		
13.5	62.29	1849.0	1832.1	1819.4	8.77	8.76	8.34	-16.5	-21.8	-27.9	1.28		
14.0	65.43	1881.2	1864.8	1849.0	9.15	8.80	8.44	-15.4	-22.0	-28.5	1.28		
14.5	55.91	1909.8	1892.8	1879.8	9.24	9.11	8.66	-15.4	-23.1	-30.1	1.19		
15.0	52.82	1939.3	1919.2	1905.6	9.00	9.19	8.81	-15.1	-23.7	-32.1	1.01		
15.5	57.50	1965.4	1947.9	1930.0	9.46	9.16	8.87	-14.2	-23.7	-34.6	0.80		
16.0	46.02	1989.4	1970.9	1957.0	9.61	9.49	8.98	-14.3	-24.1	-36.7	0.55		
16.5	43.65	2011.8	1992.8	1978.0	9.58	9.64	9.26	-14.4	-24.6	-37.3	0.25		
17.0	40.73	2036.1	2013.1	1997.8	9.72	9.62	9.38	-14.4	-24.7	-37.4	0.02		
17.5	46.40	2055.1	2036.3	2016.2	9.97	9.77	9.38	-13.8	-25.3	-37.1	0.25		
18.0	33.90	2073.3	2053.3	2038.4	9.98	10.04	9.50	-14.1	-25.5	-43.3	0.58		
18.5	32.84	2090.3	2069.7	2053.6	9.90	10.07	9.78	-14.1	-25.8	-35.3	0.85		
19.0	30.66	2108.1	2085.0	2068.4	9.72	10.03	9.84	-14.2	-26.0	-34.5	1.05		
19.5	29.68	2123.8	2099.9	2082.2	9.96	9.90	9.83	-14.4	-25.9	-35.4	1.50		
20.0	34.04	2136.9	2116.9	2095.3	9.99	9.96	9.78	-14.1	-26.2	-35.8	1.52		
20.5	24.26	2149.4	2129.0	2108.9	9.90	10.10	9.67	-14.0	-26.5	-36.9	1.55		
21.0	22.10	2161.2	2140.1	2123.3	9.79	10.10	9.78	-14.4	-26.6	-36.2	1.75		
21.5	21.02	2172.3	2150.6	2133.5	9.74	10.03	9.85	-14.5	-26.6	-37.6	1.96		
22.0	19.98	2182.8	2160.6	2142.8	9.71	9.93	9.85	-14.7	-26.9	-36.0	2.15		
22.5	18.78	2193.6	2170.0	2151.7	9.65	9.89	9.80	-14.7	-26.7	-38.3	2.29		
23.0	17.78	2204.3	2178.9	2160.1	9.70	9.85	9.73	-14.9	-27.2	-39.2	2.46		
23.5	17.52	2212.6	2187.6	2168.0	9.80	9.80	9.69	-14.9	-27.1	-35.8	2.83		
24.0	19.30	2220.0	2197.3	2175.4	9.83	9.76	9.65	-14.9	-27.1	-36.2	3.41		
24.5	16.76	2226.6	2205.6	2182.3	9.84	9.85	9.62	-14.9	-27.3	-35.4	2.73		
25.0	12.92	2232.9	2212.1	2189.0	9.83	9.92	9.60	-15.0	-27.3	-37.6	2.58		