

Voltage Controlled Oscillator

ROS-2230-119+

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			
0.0	133.03	1081.8	1064.7	1040.6	11.18	11.27	11.31	-18.0	-42.6	-51.8	1.28	1	-71.9
0.5	124.21	1147.4	1131.3	1112.3	10.61	10.53	10.53	-18.0	-45.1	-45.0	1.02	10	-100.0
1.0	127.50	1206.4	1193.4	1171.3	10.31	10.25	10.08	-18.1	-52.9	-45.7	0.38	100	-121.6
1.5	122.11	1273.5	1257.1	1235.4	9.78	9.59	9.54	-17.8	-61.0	-61.9	0.63	1000	-142.5
2.0	116.61	1335.8	1318.2	1297.0	9.76	9.90	8.93	-18.4	-50.2	-44.4	0.82		
2.5	97.35	1393.7	1376.5	1352.6	9.63	9.63	9.02	-18.4	-44.6	-37.1	1.00		
3.0	100.68	1444.6	1425.2	1407.4	9.92	10.05	9.21	-20.0	-43.9	-33.9	1.51		
3.5	91.65	1494.0	1475.5	1456.3	9.67	10.02	9.27	-21.4	-42.1	-34.2	1.29		
4.0	91.30	1540.1	1521.3	1505.5	9.87	10.58	9.47	-23.5	-43.0	-37.3	0.41		
4.5	86.72	1583.0	1567.0	1548.7	9.88	10.54	9.64	-25.7	-39.8	-35.1	0.25		
5.0	74.65	1625.6	1610.3	1590.5	9.85	10.42	9.68	-27.2	-37.7	-40.4	0.27		
5.5	76.55	1669.5	1647.7	1634.9	9.99	10.78	9.70	-30.6	-35.8	-39.4	0.42		
6.0	78.27	1709.1	1685.9	1673.9	10.21	11.04	9.87	-33.0	-34.3	-39.3	0.16		
6.5	68.22	1746.4	1725.1	1711.2	10.52	11.21	10.08	-34.7	-33.7	-40.2	0.39		
7.0	63.44	1781.7	1759.2	1745.4	10.74	11.57	10.38	-36.9	-32.2	-43.8	0.90		
7.5	51.85	1812.6	1790.9	1775.4	11.11	11.54	10.55	-39.1	-31.3	-42.0	0.94		
8.0	68.61	1837.8	1816.8	1806.1	11.32	12.02	10.66	-45.8	-31.0	-50.5	1.04		
8.5	94.40	1864.8	1851.1	1842.9	11.47	12.11	10.42	-57.1	-31.1	-49.0	0.81		
9.0	65.83	1909.5	1898.3	1882.2	10.67	10.70	9.93	-53.3	-30.1	-46.4	0.34		
9.5	73.79	1946.3	1931.2	1919.5	10.96	10.94	9.80	-50.4	-29.2	-46.8	0.03		
10.0	80.73	1983.7	1968.1	1955.1	10.90	11.20	9.70	-44.1	-30.4	-42.5	0.28		
10.5	52.86	2021.6	2008.5	1989.6	10.79	10.33	9.82	-43.1	-27.8	-41.8	1.25		
11.0	76.67	2056.7	2034.9	2023.8	10.66	11.30	9.95	-42.2	-36.1	-38.4	0.87		
12.0	58.73	2118.4	2100.4	2084.2	11.15	11.07	10.22	-38.2	-36.1	-32.9	0.96		
12.5	44.65	2144.6	2129.8	2110.9	11.19	11.17	10.43	-39.4	-33.4	-31.0	1.47		
13.5	41.84	2196.7	2183.2	2162.5	11.61	11.68	10.91	-38.6	-32.5	-31.6	0.87		
14.0	42.46	2219.7	2204.1	2184.8	11.69	11.97	10.92	-38.7	-32.6	-30.0	0.07		
15.0	38.81	2263.2	2247.0	2228.5	11.96	11.83	11.18	-39.2	-32.2	-34.2	0.32		
15.5	47.12	2283.5	2266.4	2248.6	11.80	12.43	11.18	-43.0	-32.0	-33.7	0.74		
16.5	29.36	2320.7	2308.1	2285.4	11.89	12.18	11.02	-45.0	-31.2	-35.5	0.82		
17.0	28.46	2338.2	2322.8	2301.9	11.96	11.95	11.05	-49.1	-28.5	-34.9	1.03		
18.0	27.05	2370.6	2349.8	2332.1	11.86	11.65	10.93	-48.8	-32.7	-36.4	1.23		