

Voltage Controlled Oscillator

ROS-2050-719+

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			
0.00	129.18	899.7	890.1	875.7	4.60	4.57	3.67	-28.36	-22.88	-33.27	0.07	1	-72
0.50	111.24	963.5	954.7	942.0	4.46	4.38	3.86	-26.99	-21.81	-34.76	0.19	10	-99
1.00	104.22	1019.0	1010.3	997.9	4.38	4.30	3.87	-24.36	-21.65	-36.51	0.27	100	-122
1.50	101.96	1071.3	1062.4	1049.8	4.37	4.26	3.83	-21.77	-21.68	-36.80	0.33	1000	-142
2.00	101.85	1122.5	1113.4	1100.4	4.28	4.17	3.81	-19.57	-21.78	-37.02	0.39		
2.50	102.90	1173.7	1164.3	1150.9	4.30	4.16	3.78	-17.65	-22.45	-36.41	0.41		
3.00	103.93	1225.4	1215.7	1202.0	4.31	4.14	3.76	-16.16	-23.37	-35.61	0.41		
3.50	103.90	1277.5	1267.7	1253.7	4.25	4.10	3.75	-15.02	-23.63	-35.01	0.39		
4.00	102.51	1329.5	1319.7	1305.6	4.27	4.09	3.72	-14.28	-24.02	-33.55	0.33		
4.50	100.12	1380.7	1370.9	1357.0	4.24	4.02	3.69	-13.71	-24.30	-32.56	0.23		
5.00	96.93	1430.6	1421.0	1407.2	4.20	4.04	3.71	-13.50	-24.69	-30.61	0.14		
5.50	93.12	1478.9	1469.4	1456.0	4.19	3.97	3.64	-13.52	-24.89	-29.74	0.07		
6.00	89.64	1525.4	1516.0	1503.0	4.21	4.01	3.67	-13.56	-25.21	-29.81	0.01		
6.50	85.86	1570.1	1560.8	1548.1	4.19	3.99	3.64	-13.69	-24.83	-28.18	0.01		
7.00	82.65	1612.9	1603.8	1591.4	4.15	3.97	3.65	-13.85	-24.10	-27.11	0.01		
7.50	79.65	1654.2	1645.1	1633.0	4.16	3.93	3.61	-14.44	-24.72	-27.50	0.00		
8.00	76.96	1694.0	1684.9	1673.2	4.10	3.91	3.61	-15.05	-25.81	-27.94	0.02		
8.50	74.47	1732.4	1723.4	1712.0	4.12	3.88	3.56	-15.63	-26.81	-28.24	0.04		
9.00	72.23	1769.6	1760.6	1749.4	4.03	3.86	3.56	-16.21	-27.34	-28.65	0.07		
9.50	70.09	1805.7	1796.7	1785.8	4.02	3.79	3.47	-16.90	-28.67	-29.88	0.09		
10.00	67.95	1840.8	1831.8	1821.1	4.01	3.78	3.47	-17.57	-30.72	-29.40	0.12		
10.50	66.23	1874.8	1865.8	1855.4	3.97	3.76	3.48	-18.59	-32.59	-29.23	0.13		
11.00	64.08	1907.8	1898.9	1888.7	3.91	3.69	3.41	-19.12	-34.76	-29.61	0.15		
11.50	62.51	1940.0	1930.9	1921.1	3.90	3.68	3.39	-20.33	-36.35	-31.08	0.16		
12.00	60.60	1971.3	1962.2	1952.5	3.82	3.59	3.35	-21.29	-36.69	-32.03	0.17		
12.50	59.10	2001.6	1992.5	1983.1	3.75	3.53	3.29	-22.23	-36.73	-33.77	0.18		
13.00	57.25	2031.2	2022.0	2012.7	3.69	3.48	3.24	-22.45	-35.70	-31.77	0.20		
13.50	55.22	2059.8	2050.6	2041.5	3.63	3.43	3.20	-22.71	-34.15	-31.54	0.22		
14.00	53.50	2087.6	2078.2	2069.3	3.52	3.35	3.13	-23.40	-32.02	-34.22	0.23		
14.50	51.79	2114.5	2105.0	2096.2	3.41	3.23	3.05	-23.47	-30.06	-34.57	0.25		
15.00	50.19	2140.4	2130.9	2122.2	3.38	3.16	2.96	-24.46	-29.15	-37.30	0.26		
15.50	47.73	2165.5	2156.0	2147.3	3.32	3.10	2.95	-23.88	-28.86	-42.23	0.27		
16.00	46.45	2189.6	2179.9	2171.5	3.21	3.02	2.90	-23.89	-28.39	-47.76	0.27		
16.50	44.99	2212.9	2203.1	2194.6	3.08	2.91	2.78	-24.58	-28.38	-43.37	0.27		
17.00	44.99	2235.6	2225.6	2217.0	2.96	2.78	2.68	-23.81	-28.26	-39.79	0.27		

