

Voltage Controlled Oscillator

ROS-2100-119+

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	111.01	1062.1	1045.0	1035.9	6.84	6.88	6.83	-19.7	-18.0	-39.1	0.52	1	-77
0.5	93.77	1115.6	1100.5	1092.5	7.11	7.12	7.07	-18.3	-18.7	-41.2	0.14	10	-103
1.0	85.72	1162.0	1147.4	1139.8	7.35	7.35	7.28	-17.0	-19.9	-37.3	0.04	100	-123
1.5	81.70	1204.4	1190.3	1183.0	7.65	7.60	7.51	-16.0	-21.5	-34.8	0.17	1000	-142
2.0	78.34	1245.0	1231.1	1223.8	7.82	7.78	7.69	-15.2	-23.1	-34.8	0.26		
2.5	77.33	1284.1	1270.3	1263.2	8.05	7.99	7.89	-14.6	-24.5	-35.6	0.32		
3.0	75.43	1322.7	1309.0	1301.8	8.19	8.12	8.03	-13.9	-26.7	-35.1	0.40		
3.5	73.78	1360.2	1346.7	1339.6	8.39	8.27	8.14	-13.4	-28.3	-35.6	0.46		
4.0	72.71	1397.0	1383.6	1376.6	8.47	8.41	8.31	-13.2	-30.0	-35.9	0.52		
4.5	71.18	1433.0	1419.9	1413.1	8.58	8.49	8.38	-13.0	-31.6	-36.0	0.55		
5.0	69.71	1468.7	1455.5	1448.7	8.64	8.55	8.45	-12.8	-32.2	-37.0	0.60		
5.5	68.28	1503.2	1490.4	1483.8	8.70	8.60	8.49	-12.7	-31.3	-34.4	0.61		
6.0	67.62	1537.3	1524.5	1518.0	8.74	8.67	8.55	-13.0	-28.3	-33.5	0.64		
6.5	65.45	1570.9	1558.3	1551.8	8.71	8.65	8.54	-12.8	-25.9	-30.4	0.67		
7.0	65.27	1603.5	1591.0	1584.8	8.75	8.70	8.58	-12.9	-24.8	-29.8	0.66		
7.5	64.22	1636.0	1623.7	1617.3	8.73	8.69	8.59	-13.1	-24.4	-29.1	0.68		
8.0	63.21	1668.0	1655.8	1649.5	8.67	8.64	8.56	-13.1	-24.5	-27.9	0.67		
8.5	62.83	1699.4	1687.4	1681.3	8.68	8.63	8.52	-13.3	-24.9	-27.6	0.64		
9.0	62.79	1730.8	1718.8	1712.6	8.61	8.60	8.51	-13.9	-25.1	-27.6	0.65		
9.5	63.22	1762.1	1750.2	1744.1	8.55	8.53	8.46	-14.3	-25.7	-26.1	0.61		
10.0	61.56	1793.6	1781.8	1775.7	8.50	8.49	8.40	-14.6	-26.0	-26.0	0.55		
10.5	60.96	1824.2	1812.6	1806.7	8.46	8.46	8.38	-15.1	-26.3	-25.7	0.44		
11.0	59.58	1854.6	1843.1	1837.2	8.37	8.38	8.32	-15.5	-26.8	-25.6	0.36		
11.5	58.38	1884.1	1872.9	1867.1	8.33	8.36	8.29	-16.2	-27.1	-25.6	0.27		
12.0	57.64	1913.1	1902.0	1896.3	8.27	8.29	8.24	-16.6	-28.6	-25.9	0.19		
12.5	57.18	1942.0	1930.9	1925.2	8.15	8.22	8.16	-17.4	-26.4	-25.2	0.13		
13.0	54.82	1970.3	1959.5	1953.7	8.04	8.08	8.07	-18.5	-27.7	-26.4	0.04		
13.5	53.91	1997.6	1986.9	1981.3	7.94	7.99	7.99	-19.3	-26.5	-26.2	0.05		
14.0	52.47	2024.5	2013.8	2008.3	7.80	7.87	7.88	-19.8	-26.9	-25.2	0.12		
14.5	51.27	2050.6	2040.1	2034.5	7.69	7.82	7.79	-20.5	-24.6	-26.6	0.18		
15.0	49.20	2076.1	2065.7	2060.1	7.59	7.72	7.72	-21.7	-25.6	-26.9	0.23		
15.5	47.44	2100.5	2090.3	2084.8	7.47	7.63	7.62	-22.7	-23.8	-27.3	0.29		
16.0	45.56	2124.1	2114.0	2108.5	7.34	7.50	7.49	-23.2	-23.2	-27.0	0.35		
16.5	44.49	2147.2	2136.8	2131.3	7.21	7.35	7.36	-24.7	-23.3	-27.0	0.42		
17.0	41.95	2169.5	2159.0	2153.5	7.06	7.21	7.25	-25.7	-24.2	-27.4	0.51		
17.5	38.75	2189.9	2180.0	2174.7	6.93	7.09	7.13	-25.6	-24.1	-27.8	0.61		
18.0	38.75	2209.6	2199.4	2194.1	6.81	6.96	7.00	-25.6	-23.9	-27.2	0.72		

