Voltage Controlled Oscillator ROS-2170-1319R+

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4	
0.00	72.3	1607.6	1593.3	1581.9	7.2	6.9	6.6	-14.5	-28.5	-29.4	0.1
0.50	61.4	1642.3	1629.5	1619.5	7.3	7.0	6.7	-14.3	-28.2	-29.2	0.2
1.00	56.4	1672.6	1660.2	1650.6	7.3	7.0	6.7	-14.3	-27.1	-29.1	0.3
1.50	53.4	1700.4	1688.4	1679.1	7.4	7.0	6.7	-14.4	-26.8	-29.1	0.3
2.00	53.0	1727.2	1715.1	1705.8	7.5	7.1	6.8	-14.5	-26.1	-29.0	0.3
2.50	53.0	1753.9	1741.6	1732.1	7.5	7.2	6.9	-14.5	-25.7	-29.1	0.3
3.00	52.5	1780.3	1768.1	1758.6	7.5	7.1	6.8	-14.6	-24.3	-29.1	0.3
3.50	53.1	1806.7	1794.3	1784.8	7.6	7.2	6.8	-14.5	-23.4	-28.8	0.3
4.00	54.7	1833.6	1820.9	1811.1	7.7	7.3	7.0	-14.6	-23.2	-29.1	0.3
4.50	56.1	1861.3	1848.2	1838.1	7.6	7.3	7.1	-15.2	-22.4	-28.7	0.3
5.00	55.7	1889.2	1876.3	1866.1	7.6	7.3	7.0	-15.7	-22.0	-28.8	0.3
5.50	57.2	1917.3	1904.1	1893.9	7.7	7.4	7.1	-15.8	-21.9	-29.5	0.3
6.00	58.6	1946.4	1932.7	1922.1	7.8	7.5	7.2	-16.2	-21.8	-31.9	0.3
6.50	58.7	1975.7	1962.0	1951.2	7.7	7.5	7.2	-16.5	-21.6	-29.9	0.2
7.00	57.9	2004.9	1991.3	1980.5	7.8	7.4	7.2	-16.8	-21.7	-29.5	0.2
7.50	58.0	2034.1	2020.3	2009.6	7.9	7.5	7.3	-17.4	-21.4	-28.9	0.1
8.00	59.1	2063.5	2049.3	2038.5	7.9	7.6	7.4	-18.4	-21.5	-29.6	0.1
8.50	57.0	2092.8	2078.9	2067.8	7.8	7.6	7.4	-18.5	-21.8	-29.0	0.1
9.00	56.2	2121.0	2107.4	2096.8	7.9	7.5	7.3	-18.5	-21.6	-28.7	0.0
9.50	57.3	2149.8	2135.5	2124.6	8.0	7.7	7.4	-18.6	-21.5	-29.2	0.0
10.00	54.9	2178.0	2164.1	2153.1	7.9	7.7	7.5	-19.9	-21.6	-29.3	0.1
10.50	54.1	2205.5	2191.5	2180.8	7.9	7.6	7.4	-20.2	-21.6	-29.2	0.1
11.00	52.8	2232.6	2218.6	2207.8	7.9	7.6	7.4	-20.2	-21.4	-30.5	0.1
11.50	52.1	2259.1	2245.0	2234.3	7.9	7.7	7.4	-21.8	-21.4	-30.7	0.2
12.00	50.5	2285.0	2271.0	2260.3	7.8	7.6	7.4	-22.9	-21.9	-30.6	0.2
12.50	49.1	2310.2	2296.3	2285.7	7.8	7.6	7.3	-24.1	-22.0	-31.3	0.2
13.00	47.5	2334.8	2320.8	2310.4	7.8	7.6	7.3	-24.3	-21.2	-30.5	0.3
13.50	45.9	2358.4	2344.6	2334.3	7.8	7.5	7.3	-24.3	-21.8	-29.6	0.3
14.00	45.9	2381.5	2367.6	2357.3	7.8	7.5	7.3	-25.7	-21.9	-29.4	0.3

FREQ OFFSET (kHz)	PHASE NOISE (dBc/Hz)
1	-76
10	-103
100	-124
1000	-144