

# Voltage Controlled Oscillator

# ROS-1745C-219+

## 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	26.8	1310.7	1307.2	1304.4	6.4	6.4	6.1	-30.1	-29.6	-40.0	0.0	1	-81
1.00	25.8	1337.5	1333.9	1331.2	6.2	6.5	6.2	-33.1	-28.4	-39.1	0.1	10	-107
2.00	28.0	1363.8	1359.8	1356.9	6.3	6.5	6.2	-33.2	-28.7	-39.1	0.1	100	-127
3.00	32.5	1392.7	1387.8	1384.4	6.9	7.1	6.7	-35.8	-29.8	-40.0	0.1	1000	-147
4.00	36.8	1426.2	1420.3	1416.4	6.6	7.0	6.6	-34.0	-30.2	-40.2	0.1		
5.00	40.6	1464.1	1457.1	1452.4	6.9	7.0	6.5	-26.1	-30.5	-39.5	0.1		
6.00	44.1	1505.7	1497.6	1492.3	7.1	7.3	6.8	-23.4	-29.7	-41.4	0.1		
7.00	45.7	1550.5	1541.7	1536.0	7.0	7.0	6.5	-23.3	-29.1	-43.1	0.0		
8.00	45.2	1597.0	1587.4	1581.2	6.5	6.8	6.3	-22.8	-29.7	-43.3	0.0		
9.00	43.3	1642.8	1632.6	1625.7	6.5	6.8	6.4	-21.8	-30.0	-43.9	0.0		
10.00	39.8	1686.2	1676.0	1668.7	6.2	6.4	6.1	-20.2	-29.1	-43.1	0.1		
11.00	36.5	1726.3	1715.8	1708.2	6.5	6.7	6.2	-19.6	-29.1	-39.9	0.1		
12.00	32.3	1762.5	1752.3	1744.5	6.1	6.5	6.2	-18.8	-29.3	-36.5	0.1		
13.00	28.7	1794.8	1784.6	1776.8	6.4	6.5	6.0	-18.1	-29.8	-35.4	0.2		
14.00	25.4	1823.5	1813.2	1805.3	6.7	6.9	6.4	-18.5	-30.7	-35.5	0.2		
15.00	22.3	1848.8	1838.7	1830.6	6.6	6.9	6.5	-17.1	-30.6	-34.8	0.2		
16.00	19.4	1871.0	1860.9	1852.9	6.7	6.9	6.4	-16.8	-29.9	-33.7	0.3		
17.00	17.2	1890.7	1880.3	1872.2	7.0	7.0	6.4	-16.6	-30.0	-34.3	0.3		
18.00	15.1	1908.2	1897.6	1889.1	7.4	7.3	6.7	-16.9	-30.7	-34.5	0.3		
19.00	13.1	1923.5	1912.6	1904.2	7.6	7.6	6.9	-16.8	-30.7	-33.8	0.3		
20.00	11.2	1936.8	1925.7	1917.4	7.8	7.7	7.0	-16.6	-31.3	-34.2	0.2		
21.00	9.0	1948.0	1936.9	1928.9	8.0	7.8	7.1	-16.8	-32.0	-35.1	0.2		
22.00	9.0	1957.0	1945.9	1938.8	8.1	7.8	7.1	-17.1	-34.0	-35.0	0.2		

**Notes**

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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