

# Voltage Controlled Oscillator

# ROS-1445-219+

## 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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F2	F3	F4			
0.00	53.6	948.7	939.2	930.5	11.7	11.2	10.4	-6.2	-42.6	-27.6	1.5	1	-78
1.00	39.9	1000.4	992.8	986.5	11.4	10.9	10.0	-6.6	-57.9	-26.6	0.4	10	-106
2.00	36.8	1040.1	1032.7	1026.9	11.1	10.5	9.7	-7.3	-51.1	-26.9	0.2	100	-129
3.00	35.5	1076.7	1069.5	1063.9	10.9	10.2	9.4	-8.0	-44.5	-26.6	0.1	1000	-149
4.00	36.0	1112.2	1105.0	1099.5	10.7	10.0	9.2	-8.7	-38.3	-27.1	0.0		
5.00	37.0	1148.3	1141.1	1135.6	10.4	9.6	8.8	-9.8	-32.6	-28.1	0.0		
6.00	38.9	1184.9	1178.1	1172.8	10.1	9.2	8.4	-11.1	-28.8	-28.9	0.1		
7.00	40.7	1224.1	1217.0	1211.4	9.0	8.3	7.8	-14.4	-24.2	-29.7	0.1		
8.00	41.7	1265.6	1257.8	1251.8	7.8	7.5	7.2	-13.6	-21.0	-27.9	0.0		
9.00	40.7	1308.0	1299.4	1292.8	7.5	7.4	7.1	-19.9	-20.2	-26.3	0.0		
10.00	39.5	1348.1	1340.1	1333.9	7.9	7.7	7.3	-14.9	-21.1	-25.9	0.2		
11.00	38.8	1387.8	1379.6	1373.2	8.0	7.8	7.5	-15.0	-21.8	-25.6	0.3		
12.00	36.8	1426.2	1418.4	1412.3	8.0	7.8	7.4	-15.4	-21.9	-26.3	0.5		
13.00	35.9	1463.2	1455.2	1449.0	8.0	7.8	7.5	-16.6	-22.2	-25.7	0.5		
14.00	33.5	1499.2	1491.1	1484.8	7.8	7.6	7.3	-19.0	-22.6	-26.2	0.6		
15.00	32.0	1532.8	1524.6	1518.4	7.8	7.6	7.3	-19.0	-22.8	-26.3	0.6		
16.00	30.0	1565.2	1556.5	1550.1	7.7	7.5	7.2	-21.4	-22.5	-27.3	0.6		
17.00	27.8	1595.2	1586.5	1580.1	7.6	7.4	7.2	-24.0	-22.9	-27.6	0.5		
18.00	26.2	1623.5	1614.3	1607.7	7.5	7.4	7.1	-26.7	-23.0	-28.0	0.5		
19.00	23.9	1649.9	1640.6	1633.7	7.4	7.3	7.0	-26.6	-23.3	-29.6	0.5		
20.00	21.5	1673.8	1664.5	1657.8	7.5	7.3	7.0	-26.0	-22.8	-30.0	0.6		
21.00	19.7	1695.7	1686.0	1679.1	7.4	7.3	7.1	-24.7	-23.3	-31.8	0.6		
22.00	19.7	1716.1	1705.7	1698.4	7.3	7.2	7.0	-22.8	-22.9	-32.1	0.6		

**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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