

# Voltage Controlled Oscillator

# ROS-1150-519+

## 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	59.7	691.2	677.5	665.1	7.3	8.0	8.2	-23.6	-31.3	-54.4	0.0	1	-75
0.5	49.1	719.2	707.3	696.8	7.2	7.9	8.0	-22.9	-32.4	-57.3	0.2	10	-99
1.0	44.9	743.4	731.9	721.9	7.0	7.8	7.9	-21.8	-33.0	-56.8	0.4	100	-121
1.5	42.4	765.8	754.3	744.6	6.8	7.5	7.6	-21.7	-33.6	-56.7	0.4	1000	-141
2.0	38.9	786.6	775.5	765.9	6.7	7.3	7.3	-21.3	-35.1	-53.8	0.6		
2.5	37.1	805.2	795.0	786.1	6.6	7.3	7.2	-20.9	-36.5	-52.8	0.6		
3.0	37.6	824.2	813.5	805.0	6.4	7.1	7.1	-20.6	-36.8	-53.5	0.6		
3.5	37.8	843.4	832.3	823.5	6.2	6.9	6.9	-20.4	-38.6	-52.6	0.7		
4.0	36.5	862.0	851.2	842.5	6.2	6.8	6.7	-20.3	-39.5	-53.1	0.7		
4.5	37.0	880.4	869.5	860.9	6.2	6.8	6.7	-20.0	-41.0	-53.0	0.7		
5.0	38.2	899.4	888.0	879.2	6.0	6.7	6.6	-19.6	-41.3	-52.1	0.8		
5.5	38.5	918.5	907.1	898.1	6.0	6.5	6.4	-19.9	-43.3	-51.6	0.8		
6.0	39.2	937.8	926.3	917.2	6.1	6.6	6.4	-19.3	-43.3	-49.4	0.8		
6.5	38.7	957.3	945.9	936.7	6.0	6.6	6.5	-19.4	-43.7	-45.7	1.2		
7.0	40.6	976.4	965.2	956.5	5.9	6.5	6.5	-19.9	-45.4	-44.8	1.3		
7.5	41.8	997.0	985.5	976.7	5.8	6.4	6.4	-19.3	-45.5	-44.9	1.4		
8.0	41.5	1017.6	1006.4	997.7	5.9	6.3	6.2	-19.8	-45.0	-44.8	1.4		
8.5	43.8	1038.8	1027.1	1018.6	6.0	6.5	6.3	-19.3	-43.3	-44.1	1.4		
9.0	45.3	1061.5	1049.0	1040.0	5.8	6.4	6.4	-19.9	-42.6	-42.7	1.4		
9.5	44.2	1084.0	1071.7	1062.6	5.9	6.2	6.2	-19.3	-41.0	-41.5	1.3		
10.0	44.5	1106.2	1093.8	1084.8	6.0	6.3	6.1	-20.0	-40.1	-40.8	1.1		
10.5	44.7	1128.9	1116.0	1106.9	5.9	6.3	6.2	-19.9	-38.9	-39.7	0.9		
11.0	44.5	1151.8	1138.4	1129.0	5.8	6.2	6.1	-19.9	-37.5	-38.2	0.5		
11.5	43.2	1174.0	1160.7	1151.1	5.8	6.1	6.0	-20.8	-35.9	-36.0	0.2		
12.0	43.7	1195.8	1182.3	1172.7	5.9	6.2	6.0	-20.3	-33.6	-35.2	0.1		
12.5	41.0	1219.0	1204.1	1193.6	5.9	6.3	6.2	-21.2	-32.3	-36.5	0.4		
13.0	36.5	1239.5	1224.7	1214.2	5.9	6.2	6.1	-21.5	-31.8	-36.9	0.7		
13.5	35.7	1258.5	1242.9	1232.8	6.1	6.2	5.9	-22.7	-31.6	-37.6	0.3		
14.0	35.2	1277.5	1260.7	1250.2	6.1	6.3	5.9	-23.8	-31.5	-37.2	0.0		
14.5	31.9	1294.9	1278.3	1267.8	6.0	6.1	5.9	-24.1	-30.5	-36.8	0.3		
15.0	30.6	1311.0	1294.3	1284.6	5.9	5.9	5.7	-25.3	-30.2	-36.4	0.9		
15.5	30.4	1326.5	1309.6	1300.2	5.8	5.7	5.4	-26.3	-29.8	-35.3	1.3		
16.0	30.4	1341.8	1324.8	1315.5	5.7	5.6	5.2	-26.9	-29.7	-34.8	1.5		

**Notes**

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