

# Voltage Controlled Oscillator

# ROS-5776-119+

## 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	F0.5	F1.5	F2	F3	F4	
0.00	68.04	5619.2	5602.8	5587.7	-2.15	-0.95	-3.32	-33.0	-27.8	-25.9	-36.6	-50.5	2.19
0.25	63.29	5635.4	5619.8	5605.4	-1.81	-0.41	-2.86	-34.2	-28.4	-25.4	-38.3	-49.9	2.29
0.50	60.74	5650.6	5635.6	5621.5	-1.30	-0.19	-2.34	-34.4	-28.6	-25.2	-38.1	-51.3	2.39
0.75	59.26	5665.4	5650.8	5636.9	-0.93	0.20	-2.03	-34.0	-28.7	-24.9	-38.5	-49.5	2.46
1.00	58.86	5680.0	5665.6	5651.8	-1.08	0.72	-1.63	-34.2	-29.5	-24.6	-39.2	-52.5	2.54
1.25	59.01	5694.6	5680.3	5666.4	-0.72	0.90	-1.07	-35.1	-29.8	-24.3	-38.5	-50.2	2.63
1.50	59.23	5709.2	5695.1	5681.0	-0.20	0.69	-0.78	-34.6	-29.1	-24.0	-37.7	-49.6	2.70
1.75	59.79	5723.9	5709.9	5695.7	0.08	1.03	-0.86	-33.8	-29.6	-23.8	-37.7	-49.5	2.75
2.00	61.06	5738.9	5724.8	5710.7	-0.01	1.61	-0.57	-34.5	-30.4	-24.0	-38.9	-51.2	2.82
2.25	62.66	5754.3	5740.1	5725.9	-0.05	1.73	0.01	-34.9	-30.0	-23.8	-39.0	-50.4	2.90
2.50	64.67	5770.0	5755.7	5741.3	0.66	1.43	0.23	-34.4	-30.4	-23.7	-39.5	-51.5	2.99
2.75	66.19	5786.1	5771.9	5757.2	0.99	1.48	0.06	-34.5	-29.7	-23.7	-39.5	-51.3	3.07
3.00	68.36	5802.9	5788.5	5773.7	0.87	2.23	0.23	-35.8	-30.4	-24.4	-40.6	-53.5	3.13
3.25	70.71	5820.2	5805.6	5790.5	0.54	2.16	0.95	-35.3	-30.4	-24.4	-40.6	-54.5	3.19
3.50	72.15	5838.1	5823.2	5807.9	1.07	1.50	1.07	-35.8	-29.1	-23.4	-41.3	-53.2	3.23
3.75	72.81	5856.3	5841.3	5825.7	1.10	1.80	0.59	-35.7	-30.0	-24.2	-42.4	-53.4	3.15
4.00	72.81	5874.9	5859.5	5843.9	1.25	1.95	0.96	-35.9	-29.3	-25.1	-44.7	-51.6	2.96
4.25	71.35	5893.4	5877.7	5862.0	1.53	1.71	1.13	-36.8	-29.2	-24.8	-44.8	-53.1	2.64
4.50	69.08	5911.7	5895.5	5879.9	0.83	1.86	1.11	-37.3	-29.1	-25.0	-50.1	-53.0	2.19
4.75	65.55	5929.3	5912.8	5897.2	1.16	1.27	1.38	-36.9	-27.8	-25.3	-51.7	-51.2	1.70
5.00	60.47	5945.8	5929.2	5913.7	1.44	0.90	1.00	-36.9	-27.0	-24.7	-52.6	-51.8	1.22
5.25	55.34	5961.1	5944.3	5929.1	1.06	1.58	0.67	-38.2	-26.3	-25.5	-55.9	-50.5	0.84
5.50	50.05	5975.0	5958.1	5943.2	0.17	1.64	1.16	-37.7	-26.1	-26.1	-57.4	-53.7	0.63
5.75	44.67	5987.2	5970.6	5955.8	0.83	1.17	1.41	-37.2	-25.4	-26.7	-56.9	-51.9	0.64
6.00	39.27	5997.9	5981.8	5967.0	1.05	0.43	1.24	-37.8	-24.2	-25.7	-53.1	-52.4	0.84
6.25	34.01	6007.2	5991.6	5976.9	1.14	0.18	0.81	-37.0	-23.6	-25.1	-48.8	-50.6	1.19
6.50	29.46	6015.1	6000.1	5985.6	1.09	0.61	0.36	-36.9	-24.0	-25.6	-44.5	-53.0	1.62
6.75	25.53	6021.9	6007.5	5993.1	0.52	0.83	0.30	-36.7	-24.0	-26.0	-39.3	-52.9	2.10
7.00	25.53	6027.8	6013.9	5999.5	0.16	0.82	0.52	-37.0	-23.9	-26.3	-37.9	-52.2	2.57

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-72
10	-102
100	-122
1000	-142