

Voltage Controlled Oscillator

ROS-5200C-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	78.27	4994.8	4975.8	4961.8	4.28	3.00	0.79	-36.3	-30.1	-29.9	-35.6	-45.6	1.41
0.25	74.78	5013.7	4995.3	4982.0	4.44	3.30	1.16	-36.5	-36.1	-29.3	-34.5	-46.2	1.68
0.50	72.87	5031.9	5014.0	5000.8	4.51	3.40	1.39	-36.3	-29.8	-27.6	-34.6	-44.6	1.84
0.75	71.94	5049.9	5032.3	5019.0	4.55	3.42	1.51	-36.1	-35.2	-28.0	-34.0	-45.6	1.95
1.00	71.93	5067.7	5050.2	5036.9	4.77	3.45	1.57	-36.2	-31.7	-27.3	-33.4	-45.5	2.05
1.25	73.15	5085.8	5068.2	5054.8	4.80	3.56	1.54	-36.2	-30.0	-27.1	-36.2	-45.5	2.12
1.50	75.42	5104.5	5086.5	5072.8	4.99	3.54	1.65	-36.1	-37.6	-26.9	-33.9	-45.6	2.22
1.75	77.61	5123.5	5105.4	5091.2	5.03	3.71	1.60	-35.2	-29.9	-26.2	-36.1	-45.5	2.33
2.00	79.54	5143.1	5124.8	5110.3	4.94	3.80	1.83	-34.7	-27.9	-25.4	-40.7	-45.5	2.46
2.25	81.92	5163.1	5144.7	5129.8	4.73	3.77	1.94	-34.8	-34.3	-25.6	-47.9	-45.7	2.59
2.50	84.80	5184.1	5165.1	5150.0	4.93	3.44	1.88	-34.9	-26.8	-26.4	-47.6	-45.8	2.77
2.75	88.48	5205.9	5186.3	5170.7	5.02	3.78	1.68	-34.5	-28.1	-25.2	-45.1	-44.9	2.85
3.00	91.00	5228.7	5208.5	5192.2	4.83	3.80	1.95	-33.7	-26.0	-25.7	-41.7	-44.7	2.90
3.25	92.29	5251.6	5231.2	5214.6	4.81	3.86	2.00	-33.7	-26.0	-25.2	-40.5	-44.9	2.71
3.50	92.08	5274.9	5254.3	5237.5	5.03	3.48	2.11	-33.7	-25.9	-26.1	-39.0	-45.2	2.28
3.75	91.76	5298.6	5277.3	5260.5	4.68	3.79	1.83	-33.1	-25.7	-26.0	-36.8	-44.6	1.39
4.00	89.24	5321.9	5300.2	5283.2	4.64	3.61	2.11	-32.4	-26.5	-25.4	-36.3	-44.6	0.25
4.25	84.37	5344.0	5322.6	5305.7	4.79	3.61	1.96	-32.5	-26.4	-25.0	-35.6	-44.8	1.03
4.50	79.65	5365.2	5343.6	5327.3	4.61	3.78	1.97	-32.3	-27.8	-24.6	-34.4	-45.3	2.28
4.75	74.90	5385.2	5363.6	5347.5	4.68	3.56	2.16	-31.8	-27.0	-23.2	-32.5	-44.4	3.41
5.00	68.55	5403.7	5382.3	5366.4	4.86	3.42	1.85	-31.7	-28.9	-22.5	-33.1	-44.3	4.16
5.25	61.95	5420.5	5399.4	5383.8	4.82	3.54	1.73	-31.4	-28.6	-22.5	-33.6	-44.0	4.56
5.50	55.34	5435.6	5414.9	5399.6	4.62	3.56	1.90	-30.9	-28.0	-21.6	-34.1	-44.1	4.56
5.75	48.94	5449.2	5428.7	5413.7	4.14	3.61	1.89	-30.7	-29.9	-22.4	-35.8	-44.2	4.17
6.00	43.22	5461.2	5441.0	5426.1	4.59	3.46	1.90	-30.5	-30.3	-21.9	-37.1	-44.1	3.47
6.25	37.61	5471.7	5451.8	5436.9	4.71	3.03	1.93	-30.7	-29.8	-21.9	-37.9	-43.7	2.56
6.50	31.90	5480.6	5461.2	5446.2	4.71	2.94	1.80	-30.4	-30.1	-24.6	-38.1	-44.2	1.46
6.75	27.30	5488.2	5469.2	5454.3	4.75	3.25	1.53	-30.2	-30.4	-24.5	-38.5	-43.7	0.33
7.00	27.30	5494.8	5476.0	5461.3	4.68	3.45	1.37	-30.2	-31.0	-23.2	-38.9	-44.0	0.74

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-74
10	-103
100	-126
1000	-146