

Voltage Controlled Oscillator

ROS-6520C-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	62.04	6292.4	6274.9	6264.9	0.68	-1.29	-3.15	-19.9	-17.9	-33.0	-43.2	-37.6	1.88
0.25	58.77	6307.1	6290.4	6280.8	1.18	-0.19	-3.20	-20.4	-18.6	-33.6	-42.4	-37.9	1.91
0.50	58.29	6321.5	6305.1	6295.7	1.46	0.26	-2.44	-20.7	-19.9	-35.2	-41.8	-37.4	1.98
0.75	57.91	6335.9	6319.7	6309.8	1.46	0.39	-1.81	-20.8	-20.7	-34.3	-44.0	-38.2	2.05
1.00	59.22	6350.4	6334.2	6323.9	1.13	0.33	-1.45	-20.8	-20.2	-33.0	-42.2	-36.6	2.14
1.25	58.76	6365.2	6349.0	6338.4	1.15	-0.11	-1.37	-20.8	-19.7	-33.9	-42.5	-38.3	2.13
1.50	59.34	6379.8	6363.7	6353.1	1.83	0.79	-1.46	-21.2	-22.7	-35.6	-43.0	-37.5	2.12
1.75	62.33	6394.7	6378.5	6368.3	2.10	1.20	-1.69	-21.4	-23.8	-34.6	-44.0	-38.1	2.13
2.00	67.58	6410.6	6394.1	6383.7	1.97	1.25	-1.20	-21.4	-23.8	-34.5	-43.9	-38.7	2.19
2.25	69.42	6427.6	6411.0	6399.5	2.22	0.90	-0.84	-21.4	-22.7	-34.5	-44.1	-38.1	2.30
2.50	72.08	6445.2	6428.3	6416.3	2.53	1.64	-0.96	-21.3	-21.6	-34.0	-43.3	-38.1	2.39
2.75	76.24	6463.6	6446.3	6434.3	2.31	1.71	-0.71	-21.6	-20.1	-32.5	-42.6	-38.3	2.42
3.00	80.84	6483.5	6465.4	6453.1	1.58	0.93	-0.43	-21.6	-22.0	-34.5	-43.5	-38.7	2.48
3.25	85.65	6503.7	6485.6	6472.9	2.43	1.60	-0.69	-21.5	-20.9	-32.5	-44.4	-38.2	2.46
3.50	91.99	6525.9	6507.0	6494.0	2.29	1.69	-1.24	-21.3	-20.3	-33.7	-43.7	-38.9	2.51
3.75	93.67	6549.4	6530.0	6515.8	1.94	1.29	-0.63	-20.9	-21.9	-33.0	-42.6	-37.9	2.31
4.00	92.15	6573.4	6553.4	6539.1	1.30	1.30	-0.72	-20.6	-21.7	-32.7	-43.4	-38.8	1.78
4.25	97.14	6596.8	6576.5	6562.8	1.85	1.17	-1.17	-21.2	-22.1	-33.0	-44.2	-38.7	0.95
4.50	92.97	6621.2	6600.8	6586.2	1.27	0.29	-1.40	-20.8	-23.5	-31.6	-44.8	-37.9	0.04
4.75	85.44	6644.8	6624.0	6608.9	0.74	0.65	-1.30	-20.5	-22.1	-32.0	-44.0	-38.6	1.16
5.00	82.15	6666.1	6645.4	6631.2	1.30	1.12	-1.79	-20.1	-21.4	-32.5	-44.7	-36.8	2.16
5.25	75.80	6686.7	6665.9	6652.0	0.49	-0.01	-2.15	-20.4	-25.0	-33.6	-45.5	-36.9	2.87
5.50	67.22	6705.7	6684.9	6670.7	-0.34	-0.93	-1.83	-19.8	-23.3	-33.1	-44.3	-38.3	3.35
5.75	61.14	6722.3	6701.7	6688.0	0.15	-0.23	-2.27	-19.0	-21.3	-32.1	-43.4	-35.3	3.37
6.00	53.94	6737.3	6716.9	6703.6	0.34	-0.26	-3.04	-18.5	-22.7	-32.9	-41.8	-34.7	3.03
6.25	46.61	6750.3	6730.4	6717.2	0.27	-0.52	-3.46	-18.6	-24.3	-32.8	-42.9	-36.8	2.45
6.50	38.45	6761.6	6742.1	6728.9	-0.09	-1.03	-3.25	-18.8	-22.1	-31.5	-43.9	-36.4	1.67
6.75	33.77	6771.4	6751.7	6739.1	-0.73	-0.50	-3.01	-53.6	-52.2	-31.8	-42.1	-37.2	0.80
7.00	33.77	6779.8	6760.1	6747.9	-1.46	-0.32	-2.95	-54.0	-50.9	-38.7	-43.4	-36.0	0.06

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-74
10	-103
100	-124
1000	-143