Voltage Controlled Oscillator ROS-1120-119+

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55ºC	+25ºC	+85ºC	-55ºC	+25ºC	+85ºC	F2	F3	F4	
0.0	45.56	543.1	529.7	516.4	12.40	12.15	11.80	-31.5	-24.3	-31.6	0.35
0.5	44.41	565.7	552.5	539.8	12.39	12.23	11.89	-30.9	-24.2	-32.4	0.37
1.0	42.71	588.0	574.7	562.1	12.40	12.14	11.82	-27.8	-23.4	-32.9	0.33
1.5	40.14	608.6	596.0	583.8	12.56	12.20	11.73	-27.4	-23.2	-33.8	0.31
2.0	39.96	628.5	616.1	604.4	12.66	12.31	11.81	-25.4	-23.0	-35.3	0.30
2.5	40.55	648.6	636.1	624.2	12.72	12.37	11.84	-25.3	-22.9	-37.1	0.30
3.0	40.02	668.9	656.3	644.5	12.81	12.41	11.84	-23.8	-22.7	-39.8	0.29
3.5	39.83	688.6	676.3	664.8	12.96	12.51	11.87	-23.2	-22.4	-42.0	0.28
4.0	41.00	708.5	696.3	684.8	13.07	12.60	11.95	-22.4	-22.6	-44.7	0.28
4.5	42.51	728.9	716.8	705.3	13.18	12.70	11.96	-22.1	-23.1	-47.4	0.28
5.0	45.12	750.5	738.0	726.6	13.25	12.75	12.00	-21.7	-22.9	-48.8	0.29
5.5	48.44	773.7	760.6	748.9	13.41	12.82	11.95	-21.7	-23.8	-47.4	0.30
6.0	49.35	798.1	784.8	772.9	13.58	12.93	12.01	-20.3	-24.0	-47.6	0.28
6.5	51.40	823.0	809.5	797.7	13.71	13.03	12.11	-19.5	-24.3	-48.1	0.27
7.0	54.25	849.4	835.2	823.0	13.92	13.11	12.13	-19.2	-25.1	-46.9	0.28
7.5	54.54	876.6	862.3	849.7	13.96	13.18	12.19	-18.1	-25.9	-45.8	0.27
8.0	55.87	904.1	889.6	877.1	14.08	13.24	12.12	-17.9	-27.8	-44.5	0.26
8.5	55.55	932.1	917.5	904.8	14.13	13.30	12.17	-17.8	-29.4	-42.3	0.30
9.0	54.90	959.6	945.3	933.0	14.21	13.34	12.24	-17.7	-31.8	-40.2	0.25
9.5	54.19	987.5	972.7	960.4	14.31	13.41	12.30	-17.6	-34.1	-39.2	0.20
10.0	50.96	1014.2	999.8	987.8	14.43	13.39	12.29	-17.6	-34.2	-37.6	0.13
10.5	50.11	1039.5	1025.3	1013.8	14.48	13.46	12.29	-17.8	-34.8	-39.1	0.09
11.0	47.96	1064.4	1050.4	1038.9	14.45	13.42	12.25	-17.6	-33.9	-36.7	0.05
11.5	44.80	1087.7	1074.3	1063.3	14.35	13.34	12.15	-18.1	-32.7	-36.1	0.01
12.0	43.07	1109.7	1096.7	1086.2	14.23	13.25	12.06	-17.6	-33.1	-36.5	0.01
12.5	41.93	1131.0	1118.3	1107.9	14.08	13.11	11.97	-17.8	-31.9	-35.7	0.00
13.0	39.79	1151.5	1139.2	1129.1	13.98	12.97	11.81	-17.6	-31.1	-36.4	0.01
13.5	38.34	1171.1	1159.1	1149.4	13.81	12.88	11.76	-17.7	-31.4	-38.2	0.03
14.0	37.08	1189.9	1178.3	1168.8	13.65	12.75	11.66	-18.0	-30.8	-38.6	0.05
14.5	35.79	1208.0	1196.8	1187.5	13.47	12.58	11.51	-18.2	-31.4	-40.2	0.08
15.0	34.36	1225.5	1214.7	1205.6	13.29	12.41	11.43	-18.3	-32.0	-42.8	0.10
15.5	33.75	1242.6	1231.9	1222.9	13.10	12.26	11.33	-19.0	-31.5	-43.3	0.12
16.0	32.89	1259.5	1248.8	1239.7	12.95	12.08	11.17	-19.0	-30.4	-42.4	0.14
16.5	31.51	1275.9	1265.2	1256.2	12.81	11.97	11.02	-19.4	-30.5	-43.2	0.15
17.0	29.61	1291.3	1281.0	1272.1	12.66	11.88	11.01	-19.9	-30.4	-44.5	0.17
17.5	28.51	1306.0	1295.8	1287.1	12.52	11.78	10.95	-20.2	-30.4	-44.4	0.17
18.0	27.94	1320.2	1310.1	1301.4	12.33	11.64	10.76	-20.7	-29.9	-43.7	0.18
18.5	27.44	1334.3	1324.0	1315.3	12.10	11.47	10.66	-21.1	-30.0	-44.0	0.19
19.5	25.54	1361.3	1351.1	1342.3	11.71	11.02	10.35	-21.8	-29.8	-45.2	0.22
20.0	25.54	1374.0	1363.9	1355.2	11.44	10.89	10.24	-22.3	-29.9	-44.1	0.21

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-79
10	-104
100	-126
1000	-146