

# Voltage Controlled Oscillator

ROS-1094-119+

## 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			
0.00	33.09	1032.4	1026.5	1022.9	0.00	0.20	0.31	-20.3	-30.7	-33.2	0.54	1	-83
0.25	30.31	1040.5	1034.8	1031.3	-0.05	0.20	0.36	-20.2	-30.0	-33.2	0.44	10	-107
0.50	28.91	1048.2	1042.4	1038.8	-0.09	0.20	0.39	-20.2	-29.6	-33.3	0.38	100	-127
0.75	28.18	1055.5	1049.6	1046.0	-0.11	0.19	0.40	-20.1	-29.0	-34.0	0.35	1000	-147
1.00	27.79	1062.7	1056.6	1052.9	-0.11	0.22	0.42	-20.4	-28.8	-34.3	0.31		
1.25	27.80	1069.8	1063.6	1059.7	-0.12	0.25	0.44	-20.5	-28.2	-34.5	0.29		
1.50	28.01	1077.0	1070.5	1066.5	-0.12	0.28	0.46	-20.7	-27.8	-34.9	0.28		
1.75	28.23	1084.2	1077.5	1073.3	-0.11	0.31	0.49	-20.7	-27.5	-35.9	0.25		
2.00	28.70	1091.5	1084.6	1080.2	-0.11	0.35	0.51	-20.7	-27.4	-35.5	0.25		
2.25	29.10	1098.9	1091.8	1087.2	-0.10	0.37	0.54	-21.0	-27.0	-36.2	0.24		
2.50	29.46	1106.4	1099.0	1094.3	-0.10	0.39	0.56	-21.1	-26.9	-36.8	0.23		
2.75	29.84	1114.0	1106.4	1101.5	-0.10	0.40	0.58	-21.1	-26.5	-37.7	0.24		
3.00	30.12	1121.7	1113.9	1108.8	-0.10	0.40	0.59	-21.5	-26.4	-37.7	0.25		
3.25	30.35	1129.4	1121.4	1116.2	-0.10	0.41	0.61	-21.5	-26.1	-39.2	0.27		
3.50	30.33	1137.2	1129.0	1123.6	-0.10	0.40	0.63	-21.8	-25.9	-39.2	0.29		
3.75	30.36	1145.0	1136.6	1131.1	-0.09	0.39	0.64	-22.0	-25.9	-38.9	0.32		
3.90	30.21	1149.7	1141.1	1135.5	-0.08	0.38	0.64	-22.1	-25.7	-39.5	0.33		
4.25	29.80	1160.5	1151.7	1145.9	-0.06	0.39	0.66	-22.2	-25.5	-39.6	0.37		
4.50	29.44	1168.1	1159.1	1153.3	-0.03	0.40	0.68	-22.6	-25.4	-39.9	0.39		
4.75	29.02	1175.6	1166.5	1160.5	0.00	0.43	0.69	-23.0	-25.4	-40.1	0.41		
5.00	28.56	1183.0	1173.7	1167.6	0.04	0.48	0.72	-23.5	-25.3	-40.1	0.42		
5.25	28.01	1190.3	1180.9	1174.6	0.07	0.52	0.75	-23.9	-25.2	-40.4	0.43		
5.50	27.45	1197.4	1187.9	1181.5	0.11	0.57	0.77	-23.9	-25.3	-40.6	0.43		
5.75	26.86	1204.4	1194.8	1188.2	0.14	0.61	0.80	-24.6	-25.2	-40.5	0.43		
6.00	26.20	1211.3	1201.5	1194.8	0.17	0.65	0.83	-24.6	-25.4	-40.0	0.42		
6.25	25.54	1217.9	1208.0	1201.3	0.19	0.69	0.85	-25.4	-25.6	-40.8	0.41		
6.50	24.95	1224.5	1214.4	1207.5	0.20	0.71	0.88	-25.9	-25.7	-40.4	0.40		
6.75	24.36	1230.9	1220.6	1213.7	0.23	0.72	0.90	-26.0	-25.4	-40.0	0.38		
7.00	24.36	1237.1	1226.7	1219.6	0.26	0.72	0.92	-27.0	-25.7	-40.6	0.37		

