

# Voltage Controlled Oscillator

ROS-1034-119+

## 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	39.29	953.5	947.0	940.8	4.64	4.48	4.01	-30.1	-26.4	-39.9	2.41	1	-85
0.25	32.55	962.8	956.8	951.2	4.41	4.24	3.78	-28.6	-26.2	-38.3	1.83	10	-112
0.50	28.95	970.7	964.9	959.5	4.28	4.10	3.66	-28.1	-26.2	-38.7	1.33	100	-133
0.75	27.01	977.8	972.2	966.9	4.17	3.98	3.54	-27.2	-26.5	-38.1	1.04	1000	-153
1.00	25.96	984.4	978.9	973.8	4.05	3.85	3.43	-26.6	-26.9	-37.8	0.84		
1.25	25.50	990.8	985.4	980.3	3.93	3.71	3.29	-26.1	-27.0	-37.7	0.68		
1.50	25.48	997.0	991.8	986.7	3.80	3.55	3.13	-25.6	-27.0	-38.0	0.55		
1.75	25.64	1003.3	998.1	993.1	3.64	3.38	2.97	-25.3	-27.1	-37.8	0.44		
2.00	25.63	1009.5	1004.6	999.5	3.47	3.19	2.78	-24.7	-27.1	-37.3	0.33		
2.25	25.53	1015.9	1011.0	1006.0	3.31	3.00	2.57	-23.8	-26.6	-36.3	0.25		
2.50	25.47	1022.3	1017.3	1012.5	3.17	2.82	2.34	-23.0	-25.8	-36.1	0.20		
2.75	25.54	1028.6	1023.7	1019.1	3.01	2.64	2.12	-22.2	-25.0	-35.5	0.18		
3.00	25.59	1034.9	1030.1	1025.6	2.83	2.42	1.88	-21.4	-24.5	-34.6	0.17		
3.25	25.47	1041.2	1036.5	1032.1	2.63	2.20	1.62	-21.2	-24.6	-34.5	0.17		
3.50	25.21	1047.4	1042.9	1038.6	2.41	1.96	1.35	-20.9	-24.9	-34.8	0.18		
3.75	24.78	1053.6	1049.2	1045.0	2.19	1.72	1.09	-20.5	-24.9	-34.9	0.19		
4.00	24.19	1059.8	1055.4	1051.3	1.97	1.49	0.85	-20.2	-24.8	-34.3	0.18		
4.25	23.47	1065.8	1061.4	1057.3	1.74	1.28	0.64	-20.0	-25.0	-34.3	0.16		
4.50	22.65	1071.7	1067.3	1063.2	1.52	1.07	0.45	-19.6	-24.9	-34.1	0.13		
4.75	21.75	1077.4	1072.9	1068.8	1.33	0.89	0.29	-19.3	-25.1	-34.1	0.08		
5.00	20.84	1082.9	1078.4	1074.1	1.17	0.75	0.14	-19.2	-25.3	-33.5	0.01		
5.25	19.97	1088.2	1083.6	1079.2	1.04	0.64	0.04	-19.1	-25.7	-32.6	0.07		
5.50	19.14	1093.3	1088.6	1084.1	0.91	0.54	-0.03	-18.9	-25.8	-32.5	0.16		
5.75	18.28	1098.1	1093.4	1088.8	0.80	0.46	-0.10	-18.9	-25.5	-32.3	0.26		
6.00	17.46	1102.8	1097.9	1093.2	0.72	0.39	-0.15	-19.0	-25.3	-32.1	0.36		
6.25	16.70	1107.2	1102.3	1097.5	0.65	0.33	-0.21	-19.0	-25.2	-31.9	0.45		
6.50	16.06	1111.4	1106.5	1101.7	0.60	0.28	-0.25	-18.9	-25.2	-31.6	0.52		
6.75	15.46	1115.5	1110.5	1105.6	0.57	0.25	-0.27	-18.8	-25.4	-31.3	0.58		
7.00	15.46	1119.4	1114.4	1109.5	0.54	0.22	-0.30	-18.8	-25.4	-31.2	0.63		

