

Voltage Controlled Oscillator

ROS-1048-219+

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			
0.0	44.34	948.0	940.2	933.2	-0.53	-0.09	-0.01	-25.1	-27.5	-46.0	1.67	1	-85
0.3	37.41	958.2	951.3	945.3	-0.31	0.14	0.26	-24.0	-27.9	-44.6	1.10	10	-112
0.5	33.28	967.0	960.6	955.2	-0.15	0.30	0.42	-23.6	-28.2	-44.0	0.79	100	-133
0.8	30.54	975.0	969.0	963.8	-0.01	0.44	0.55	-23.0	-28.7	-43.6	0.60	1000	-153
1.0	28.57	982.4	976.6	971.6	0.09	0.55	0.67	-22.5	-29.3	-42.5	0.46		
1.3	27.14	989.4	983.7	978.9	0.18	0.64	0.75	-22.3	-29.8	-41.8	0.35		
1.5	26.03	996.0	990.5	985.8	0.26	0.72	0.82	-22.0	-30.0	-41.6	0.26		
1.8	25.18	1002.4	997.0	992.4	0.32	0.78	0.88	-22.1	-30.5	-41.1	0.19		
2.0	24.48	1008.6	1003.3	998.8	0.37	0.84	0.93	-22.0	-31.4	-40.8	0.12		
2.3	23.91	1014.6	1009.4	1005.0	0.41	0.87	0.95	-21.9	-32.5	-40.0	0.05		
2.5	23.41	1020.4	1015.4	1011.0	0.46	0.89	0.97	-21.6	-33.1	-40.4	0.01		
2.8	23.06	1026.2	1021.3	1017.0	0.46	0.89	0.97	-21.7	-33.8	-40.9	0.08		
3.0	22.79	1031.8	1027.0	1022.8	0.41	0.86	0.96	-21.6	-33.6	-40.1	0.14		
3.3	22.52	1037.5	1032.7	1028.6	0.37	0.82	0.93	-21.6	-33.6	-39.8	0.18		
3.5	22.35	1043.1	1038.4	1034.2	0.32	0.79	0.89	-21.9	-34.1	-39.9	0.22		
3.8	22.19	1048.6	1044.0	1039.9	0.26	0.73	0.85	-22.1	-34.5	-40.4	0.26		
4.0	22.06	1054.2	1049.5	1045.4	0.21	0.68	0.80	-22.1	-34.7	-40.3	0.30		
4.3	21.95	1059.6	1055.0	1051.0	0.16	0.62	0.74	-22.2	-34.7	-40.0	0.33		
4.5	21.86	1065.1	1060.5	1056.5	0.09	0.56	0.68	-22.3	-35.2	-40.2	0.37		
4.8	21.80	1070.6	1066.0	1062.0	0.01	0.49	0.62	-22.3	-35.6	-40.7	0.40		
5.0	21.74	1076.0	1071.4	1067.5	-0.07	0.40	0.54	-22.2	-36.0	-40.6	0.44		
5.3	21.69	1081.4	1076.9	1072.9	-0.15	0.31	0.45	-22.2	-36.4	-40.4	0.47		
5.5	21.65	1086.8	1082.3	1078.4	-0.23	0.23	0.37	-22.4	-36.9	-40.5	0.50		
5.8	21.63	1092.2	1087.7	1083.8	-0.33	0.14	0.29	-22.4	-37.4	-40.6	0.53		
6.0	21.57	1097.6	1093.1	1089.2	-0.42	0.05	0.20	-22.5	-37.4	-41.0	0.56		
6.3	21.55	1103.0	1098.5	1094.6	-0.52	-0.05	0.10	-22.6	-37.2	-41.1	0.58		
6.5	21.48	1108.4	1103.9	1100.0	-0.61	-0.15	0.00	-22.7	-37.4	-41.2	0.59		
6.8	21.41	1113.8	1109.3	1105.4	-0.70	-0.24	-0.09	-22.6	-37.8	-40.7	0.59		
7.0	21.41	1119.1	1114.6	1110.8	-0.78	-0.33	-0.18	-22.6	-37.7	-40.7	0.58		

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