

Voltage Controlled Oscillator

ROS-1090-219+

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	21.33	1006.7	1002.7	997.5	2.81	2.99	2.96	-29.8	-32.2	-28.3	0.07	1	-83
0.3	20.31	1011.9	1008.0	1003.0	2.84	3.01	2.98	-29.0	-31.8	-28.1	0.02	10	-112
0.5	20.08	1017.0	1013.1	1008.1	2.87	3.03	3.01	-28.3	-31.6	-28.2	0.01	100	-134
0.8	20.41	1022.0	1018.1	1013.0	2.90	3.06	3.03	-27.7	-31.3	-27.8	0.03	1000	-152
1.0	21.17	1027.2	1023.2	1018.1	2.93	3.09	3.06	-27.0	-31.0	-27.9	0.05		
1.3	22.29	1032.6	1028.5	1023.3	2.95	3.12	3.10	-26.3	-30.6	-28.1	0.07		
1.5	23.75	1038.2	1034.1	1028.7	2.98	3.14	3.12	-25.5	-30.2	-27.6	0.08		
1.8	25.38	1044.3	1040.0	1034.5	3.00	3.16	3.14	-24.8	-29.8	-28.0	0.08		
2.0	27.03	1050.8	1046.3	1040.6	3.03	3.19	3.16	-24.2	-29.2	-28.1	0.04		
2.3	28.49	1057.7	1053.1	1047.2	3.06	3.21	3.18	-23.6	-28.7	-28.3	0.05		
2.5	29.59	1064.9	1060.2	1054.2	3.09	3.25	3.22	-23.3	-28.3	-28.9	0.21		
2.8	30.15	1072.4	1067.6	1061.5	3.10	3.27	3.25	-23.0	-27.7	-29.1	0.44		
3.0	30.06	1080.0	1075.2	1069.0	3.13	3.29	3.27	-22.8	-27.3	-30.1	0.73		
3.3	29.36	1087.5	1082.7	1076.5	3.14	3.32	3.28	-22.8	-27.0	-30.4	1.07		
3.5	28.07	1094.8	1090.0	1083.9	3.14	3.33	3.31	-22.9	-26.6	-31.3	1.42		
3.8	26.34	1101.7	1097.0	1091.0	3.12	3.32	3.32	-23.1	-26.3	-31.6	1.76		
4.0	24.32	1108.2	1103.6	1097.7	3.12	3.31	3.31	-23.4	-26.0	-32.4	2.04		
4.3	22.06	1114.3	1109.7	1103.9	3.11	3.31	3.30	-23.8	-25.7	-32.7	2.24		
4.5	19.68	1119.7	1115.2	1109.4	3.11	3.31	3.30	-24.1	-25.5	-33.1	2.32		
4.8	17.28	1124.6	1120.1	1114.4	3.10	3.31	3.30	-24.5	-25.2	-33.6	2.30		
5.0	14.92	1128.9	1124.5	1118.7	3.10	3.31	3.30	-24.8	-25.1	-33.8	2.17		
5.3	12.68	1132.6	1128.2	1122.4	3.09	3.30	3.31	-25.2	-25.0	-33.8	1.97		
5.5	10.62	1135.8	1131.4	1125.5	3.09	3.30	3.30	-25.4	-24.8	-34.3	1.70		
5.8	8.81	1138.4	1134.0	1128.1	3.09	3.30	3.30	-25.7	-24.7	-34.7	1.40		
6.0	7.27	1140.7	1136.2	1130.2	3.09	3.30	3.30	-25.8	-24.7	-34.9	1.11		

REV. X1

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