

Voltage Controlled Oscillator

ROS-ED9478/1

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			
0.5	18.19	1013.3	1006.5	1001.7	-1.18	0.57	0.90	-28.2	-44.0	-50.2	1.13	1	-78
0.6	18.18	1016.1	1009.2	1004.3	-1.19	0.64	1.01	-28.3	-41.9	-49.3	1.15	10	-102
0.8	18.29	1018.9	1012.0	1007.0	-1.11	0.67	1.05	-28.1	-44.2	-50.3	1.17	100	-122
0.9	18.26	1021.7	1014.7	1009.6	-1.11	0.74	1.12	-27.9	-43.5	-50.2	1.18	1000	-142
1.1	18.81	1024.6	1017.5	1012.3	-1.07	0.83	1.14	-27.9	-43.3	-50.8	1.20		
1.2	19.13	1027.5	1020.4	1015.1	-1.03	0.82	1.23	-27.5	-42.9	-49.8	1.23		
1.4	19.62	1030.5	1023.4	1017.9	-1.03	0.87	1.31	-27.4	-43.2	-50.7	1.23		
1.5	19.89	1033.6	1026.3	1020.8	-1.01	0.86	1.31	-27.1	-43.7	-49.3	1.25		
1.7	20.42	1036.7	1029.4	1023.8	-0.99	0.92	1.37	-27.3	-44.3	-50.9	1.23		
1.8	21.05	1040.0	1032.6	1026.8	-0.95	0.95	1.36	-27.1	-43.7	-50.3	1.25		
2.0	21.29	1043.3	1035.8	1029.9	-0.91	0.96	1.42	-27.1	-44.5	-50.4	1.25		
2.1	21.64	1046.6	1039.0	1033.1	-0.90	0.99	1.46	-26.9	-44.0	-50.7	1.25		
2.3	22.09	1050.0	1042.3	1036.3	-0.85	1.01	1.47	-26.8	-44.3	-50.7	1.25		
2.4	22.51	1053.4	1045.7	1039.5	-0.82	1.06	1.51	-26.8	-45.4	-50.6	1.25		
2.6	22.35	1056.9	1049.0	1042.8	-0.77	1.11	1.55	-26.8	-44.0	-50.1	1.22		
2.7	22.81	1060.4	1052.5	1046.1	-0.74	1.14	1.57	-26.7	-44.1	-50.0	1.22		
2.9	23.04	1063.9	1055.9	1049.5	-0.73	1.18	1.62	-26.8	-44.4	-49.1	1.22		
3.0	23.11	1067.4	1059.4	1052.9	-0.70	1.20	1.65	-26.8	-45.1	-49.8	1.19		
3.2	23.00	1070.9	1062.8	1056.2	-0.72	1.23	1.69	-26.7	-44.6	-48.5	1.19		
3.3	22.97	1074.4	1066.3	1059.6	-0.76	1.25	1.72	-26.9	-45.7	-50.2	1.17		
3.5	22.98	1077.9	1069.7	1063.0	-0.83	1.23	1.73	-26.7	-45.3	-48.4	1.19		
3.6	22.80	1081.4	1073.2	1066.3	-0.86	1.19	1.76	-26.9	-45.5	-49.0	1.19		
3.8	22.55	1084.8	1076.5	1069.6	-0.95	1.19	1.74	-26.9	-45.6	-50.8	1.19		
3.9	22.31	1088.2	1079.9	1072.9	-1.06	1.12	1.70	-27.0	-44.7	-47.8	1.21		
4.1	21.95	1091.5	1083.2	1076.1	-1.11	1.04	1.69	-26.9	-44.4	-49.1	1.22		
4.2	21.49	1094.8	1086.4	1079.3	-1.19	1.00	1.62	-27.3	-45.2	-50.4	1.24		
4.4	21.44	1098.0	1089.6	1082.4	-1.32	0.88	1.59	-27.1	-46.2	-50.7	1.24		
4.5	20.97	1101.1	1092.8	1085.5	-1.36	0.80	1.49	-27.4	-45.2	-50.4	1.29		