

Voltage Controlled Oscillator

JCOS-ED5151B/2

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			
0.3	10.80	1066.1	1063.8	1060.4	4.23	4.30	4.30	-46.9	-28.9	-31.7	0.05	1	-95
0.5	9.70	1068.4	1066.2	1062.9	4.24	4.37	4.40	-46.4	-28.8	-31.6		10	-120
0.8	9.30	1070.7	1068.5	1065.2	4.27	4.39	4.43	-46.1	-28.5	-31.8		100	-140
1.0	9.00	1073.0	1070.8	1067.4	4.32	4.42	4.50	-46.2	-28.3	-31.8		1000	-158
1.3	8.80	1075.1	1073.0	1069.6	3.83	4.47	4.52	-45.7	-28.2	-31.9			
1.5	8.70	1077.3	1075.2	1071.8	3.84	4.00	4.57	-45.6	-28.1	-31.9	0.07		
1.8	8.80	1079.5	1077.4	1074.0	3.90	4.03	4.62	-45.3	-27.8	-31.8			
2.0	8.80	1081.7	1079.6	1076.1	3.95	4.07	4.15	-45.0	-27.7	-32.0			
2.3	8.90	1084.0	1081.8	1078.3	4.00	4.13	4.17	-45.1	-27.4	-32.1			
2.5	9.10	1086.2	1084.1	1080.6	4.43	4.16	4.24	-44.8	-27.3	-32.1			
2.8	9.10	1088.5	1086.3	1082.9	4.48	4.59	4.27	-44.1	-27.1	-32.3	0.07		
3.0	9.20	1090.8	1088.6	1085.2	4.54	4.67	4.71	-44.4	-27.0	-32.4			
3.3	9.30	1093.2	1091.0	1087.5	4.59	4.74	4.78	-43.9	-27.1	-32.4			
3.5	9.40	1095.5	1093.3	1089.8	4.56	4.79	4.84	-43.3	-27.0	-32.7			
3.8	9.40	1097.8	1095.7	1092.2	4.61	4.73	4.90	-43.2	-26.9	-32.7			
4.0	9.40	1100.2	1098.0	1094.5	4.69	4.81	4.95	-42.6	-26.6	-32.6	0.04		
4.3	9.40	1102.5	1100.4	1096.9	4.78	4.88	4.91	-42.5	-26.5	-32.9			
4.5	9.30	1104.8	1102.7	1099.2	4.84	4.96	5.00	-41.8	-26.3	-33.0			
4.8	9.20	1107.1	1105.0	1101.5	4.81	5.05	5.06	-42.0	-26.2	-32.9			
5.0	9.10	1109.3	1107.3	1103.8	4.88	5.02	5.13	-41.6	-26.1	-33.3			
5.3	8.90	1111.6	1109.5	1106.1	4.96	5.10	5.10	-41.4	-26.0	-33.2	0.02		
5.5	8.80	1113.7	1111.7	1108.3	5.03	5.16	5.19	-41.6	-26.1	-33.4			
5.8	8.60	1115.9	1113.9	1110.5	5.00	5.24	5.24	-40.8	-26.0	-33.5			
6.0	8.40	1118.0	1116.0	1112.6	5.06	5.21	5.31	-40.9	-25.9	-33.7			
6.3	8.40	1120.0	1118.1	1114.7	5.14	5.28	5.38	-40.8	-25.8	-34.0			
6.5	8.10	1122.0	1120.1	1116.8	5.20	5.35	5.34	-40.7	-25.7	-34.0	0.09		
6.8	7.90	1124.0	1122.1	1118.8	5.25	5.41	5.41	-40.4	-25.8	-34.3			
7.0	7.80	1126.0	1124.0	1120.7	5.20	5.47	5.47	-40.2	-25.7	-34.3			
7.3	7.60	1127.9	1125.9	1122.6	5.25	5.42	5.51	-40.2	-25.5	-34.2			
7.5	7.40	1129.7	1127.8	1124.5	5.30	5.47	5.57	-39.9	-25.6	-33.9			
7.8	7.30	1131.5	1129.6	1126.3	5.34	5.52	5.52	-40.0	-25.5	-33.5	0.08		
8.0	7.10	1133.3	1131.4	1128.1	5.39	5.57	5.56	-39.7	-25.4	-32.9			
8.3	6.90	1135.0	1133.1	1129.8	5.40	5.60	5.62	-39.4	-25.2	-32.4			
8.5	6.80	1136.7	1134.8	1131.5	5.43	5.65	5.65	-39.4	-25.1	-31.9			
8.8	6.60	1138.4	1136.4	1133.2	5.46	5.64	5.69	-39.3	-25.0	-31.3			
9.0	6.50	1140.0	1138.1	1134.8	5.50	5.69	5.72	-38.8	-25.0	-30.7	0.06		