

Voltage Controlled Oscillator

JCOS-ED9700A/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			
0.4	9.22	974.6	969.6	965.9	6.98	7.16	7.04	-52.9	-39.6	-36.6	0.08	1	-93
0.8	8.05	977.8	972.8	969.2	7.07	7.25	7.13	-53.5	-39.8	-37.5	0.07	10	-118
1.2	7.64	980.8	975.9	972.3	7.16	7.34	7.20	-53.9	-38.1	-39.3	0.06	100	-138
1.6	7.52	983.9	978.9	975.3	7.23	7.41	7.27	-54.1	-37.6	-41.7	0.05	1000	-155
2.0	7.54	986.9	981.9	978.3	7.30	7.47	7.32	-52.7	-36.9	-44.2	0.04		
2.4	7.76	990.0	985.0	981.3	7.33	7.52	7.37	-53.3	-36.2	-38.2	0.02		
2.8	7.98	993.2	988.2	984.5	7.34	7.56	7.42	-52.6	-35.9	-35.7	0.01		
3.2	8.18	996.5	991.5	987.7	7.31	7.58	7.46	-50.8	-36.2	-34.8	0.02		
3.6	8.33	999.9	994.8	991.0	7.30	7.61	7.48	-50.1	-36.5	-34.1	0.05		
4.0	8.31	1003.3	998.1	994.3	7.28	7.62	7.51	-49.4	-36.2	-34.2	0.07		
4.4	8.23	1006.7	1001.4	997.6	7.22	7.61	7.53	-47.5	-36.3	-34.5	0.09		
4.8	8.09	1009.9	1004.7	1000.8	7.20	7.60	7.50	-45.8	-36.3	-34.9	0.12		
5.2	7.92	1013.1	1007.8	1004.0	7.16	7.58	7.49	-45.4	-36.9	-34.9	0.14		
5.6	7.62	1016.2	1010.9	1007.0	7.10	7.52	7.44	-44.1	-36.8	-35.1	0.18		
6.0	7.35	1019.1	1013.8	1009.9	7.06	7.47	7.40	-42.1	-35.5	-36.2	0.20		
6.4	7.12	1021.9	1016.7	1012.7	6.98	7.40	7.34	-42.9	-36.8	-36.3	0.22		
6.8	6.77	1024.6	1019.4	1015.5	6.91	7.35	7.26	-41.7	-37.6	-36.8	0.25		
7.2	6.50	1027.1	1022.0	1018.1	6.82	7.25	7.19	-41.0	-37.5	-37.8	0.31		
7.6	6.25	1029.6	1024.5	1020.5	6.75	7.18	7.09	-41.3	-37.5	-38.4	0.30		
8.0	5.97	1031.9	1026.9	1022.9	6.66	7.08	7.01	-40.0	-37.8	-38.2	0.32		
8.4	5.70	1034.2	1029.1	1025.2	6.58	6.99	6.89	-38.9	-37.7	-38.7	0.34		
8.8	5.48	1036.3	1031.3	1027.4	6.48	6.89	6.77	-39.2	-37.8	-40.0	0.35		
9.2	5.20	1038.4	1033.4	1029.5	6.37	6.79	6.67	-38.6	-37.4	-41.0	0.37		
9.6	4.97	1040.3	1035.4	1031.5	6.25	6.66	6.54	-37.7	-37.1	-43.1	0.36		
10.0	4.71	1042.1	1037.3	1033.3	6.11	6.52	6.41	-37.7	-36.9	-45.8	0.37		
10.4	4.38	1043.9	1039.0	1035.1	5.93	6.37	6.26	-37.3	-37.3	-48.1	0.38		
10.8	4.13	1045.5	1040.7	1036.7	5.75	6.19	6.10	-37.0	-37.7	-47.4	0.35		
11.2	3.73	1047.0	1042.2	1038.3	5.54	5.97	5.90	-36.8	-38.3	-48.0	0.32		
11.6	3.41	1048.3	1043.5	1039.7	5.31	5.76	5.74	-37.2	-39.3	-51.5	0.31		
12.0	3.15	1049.5	1044.8	1041.0	5.07	5.57	5.60	-38.0	-39.9	-52.5	0.25		
12.4	3.02	1050.6	1046.0	1042.4	4.88	5.42	5.51	-39.1	-41.5	-52.6	0.19		
12.8	3.06	1051.7	1047.2	1043.7	4.76	5.33	5.45	-40.9	-42.5	-55.3	0.14		
13.2	3.18	1052.8	1048.5	1045.1	4.72	5.29	5.42	-42.2	-43.2	-48.5	0.10		
13.6	3.28	1054.0	1049.8	1046.5	4.74	5.30	5.41	-43.6	-43.4	-47.5	0.08		
14.0	3.32	1055.3	1051.1	1047.8	4.78	5.31	5.41	-45.2	-43.9	-46.4	0.07		
14.4	3.30	1056.5	1052.5	1049.2	4.82	5.33	5.41	-47.3	-43.8	-44.7	0.07		
14.8	3.26	1057.7	1053.8	1050.5	4.85	5.35	5.40	-47.4	-45.3	-42.4	0.07		
15.2	3.19	1058.9	1055.0	1051.8	4.86	5.36	5.40	-48.5	-45.1	-41.5	0.09		
15.6	3.08	1060.1	1056.3	1053.0	4.86	5.37	5.39	-49.6	-44.8	-39.1	0.09		
16.0	2.99	1061.2	1057.5	1054.2	4.83	5.38	5.37	-48.7	-44.8	-38.7	0.10		