

Voltage Controlled Oscillator

JTOS-ED10190/1

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			
0.4	65.71	711.6	697.4	687.1	9.70	9.76	9.19	-27.9	-56.6	-58.0	0.07	1	-74
0.8	56.91	733.8	720.2	710.2	9.76	9.69	9.39	-26.4	-48.3	-58.4	0.04	10	-104
1.2	51.61	754.3	740.8	731.0	9.85	9.86	9.57	-25.5	-44.2	-56.8	0.04	100	-124
1.6	47.69	773.1	759.9	750.2	9.97	9.93	9.73	-24.8	-41.2	-55.6	0.03	1000	-144
2.0	45.30	791.8	778.0	768.1	10.40	10.11	9.81	-24.2	-39.7	-53.9	0.03		
2.4	44.27	809.8	795.7	785.6	10.99	10.64	10.15	-23.9	-39.4	-52.7	0.02		
2.8	42.85	827.1	812.9	802.5	11.26	11.18	10.76	-23.8	-39.6	-52.2	0.01		
3.2	41.72	843.7	829.5	819.0	11.44	11.40	11.11	-23.7	-40.3	-51.9	0.03		
3.6	40.18	859.6	845.6	835.2	11.68	11.58	11.29	-24.0	-41.1	-51.8	0.07		
4.0	38.57	874.7	861.0	850.8	11.84	11.83	11.53	-24.3	-42.5	-49.7	0.14		
4.4	37.39	889.3	876.0	865.9	11.76	12.00	11.77	-24.8	-44.0	-49.6	0.26		
4.8	36.50	903.9	890.6	880.7	11.59	11.91	11.85	-25.5	-47.2	-49.4	0.38		
5.2	36.46	918.4	905.2	895.3	11.57	11.74	11.72	-26.3	-50.3	-49.5	0.46		
5.6	36.50	932.7	919.8	910.0	11.74	11.73	11.60	-27.2	-52.2	-48.2	0.53		
6.0	36.05	946.9	934.2	924.6	11.88	11.90	11.64	-28.2	-56.5	-45.8	0.57		
6.4	35.93	961.1	948.6	939.1	12.00	12.07	11.81	-29.3	-58.2	-43.5	0.60		
6.8	35.96	975.4	963.0	953.7	12.17	12.15	11.92	-30.8	-57.6	-42.9	0.62		
7.2	36.25	989.9	977.5	968.3	12.43	12.26	12.01	-32.6	-56.0	-41.0	0.64		
7.6	36.66	1004.4	992.1	983.1	12.63	12.51	12.20	-35.0	-56.4	-38.8	0.63		
8.0	36.95	1019.1	1006.9	998.0	12.62	12.66	12.40	-37.9	-55.5	-37.3	0.62		
8.4	37.10	1033.7	1021.7	1013.1	12.39	12.58	12.42	-42.3	-54.0	-35.8	0.59		
8.8	37.10	1048.2	1036.6	1028.2	12.20	12.30	12.15	-43.9	-52.7	-35.2	0.54		
9.2	37.34	1062.9	1051.5	1043.3	12.06	12.07	11.82	-39.5	-51.4	-37.5	0.48		
9.6	37.64	1077.6	1066.6	1058.7	11.86	11.86	11.58	-35.4	-48.7	-39.3	0.40		
10.0	37.87	1092.5	1081.7	1074.2	11.53	11.52	11.27	-32.9	-46.0	-38.0	0.29		
10.4	38.50	1107.4	1097.1	1089.9	11.19	11.08	10.83	-30.9	-44.4	-36.9	0.17		
10.8	39.32	1122.7	1112.8	1105.9	11.07	10.75	10.40	-29.4	-41.7	-36.1	0.03		
11.2	39.00	1137.2	1128.4	1122.0	11.02	10.64	10.19	-28.1	-40.4	-36.3	0.13		
11.6	37.10	1151.6	1143.3	1137.3	10.80	10.53	10.12	-26.5	-39.4	-37.3	0.32		
12.0	38.91	1167.0	1158.8	1153.0	10.38	10.14	9.87	-25.6	-37.7	-39.9	0.48		
12.4	40.77	1182.9	1175.2	1169.4	9.92	9.64	9.37	-25.1	-36.6	-45.3	0.64		
12.8	41.71	1199.4	1191.8	1186.2	9.31	9.11	8.90	-24.4	-36.5	-46.6	0.79		
13.2	42.64	1216.5	1208.9	1203.2	8.53	8.41	8.28	-24.0	-36.4	-41.7	0.88		
13.6	41.21	1233.1	1225.4	1219.6	7.65	7.61	7.56	-23.8	-35.0	-40.9	0.92		
14.0	39.51	1249.0	1241.2	1235.3	7.99	6.94	6.87	-23.7	-32.9	-40.3	1.00		
14.4	38.23	1264.2	1256.5	1250.5	9.43	6.47	6.36	-23.7	-31.3	-40.3	1.07		