

Voltage Controlled Oscillator

JTOS-ED10180/1

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	11.01	68.4	66.8	65.8	6.04	6.56	6.34	-37.0	-36.6	-56.8	0.23	1	-85
1.0	8.69	72.4	71.2	70.3	6.23	6.84	6.77	-39.1	-37.0	-56.8	0.15	10	-107
1.5	7.86	76.4	75.1	74.3	6.38	7.02	7.00	-32.7	-37.3	-56.9	0.40	100	-127
2.0	7.72	80.3	79.0	78.1	6.56	7.24	7.24	-30.5	-37.4	-55.7	0.30	1000	-147
2.5	7.01	83.8	82.5	81.6	6.69	7.42	7.44	-29.1	-37.5	-54.7	0.22		
3.0	6.67	87.1	85.8	84.9	6.83	7.54	7.58	-28.3	-37.3	-53.9	0.17		
3.5	6.49	90.4	89.1	88.1	6.91	7.67	7.72	-27.6	-37.3	-53.1	0.14		
4.0	6.40	93.6	92.3	91.3	7.00	7.77	7.83	-27.1	-37.1	-52.3	0.11		
4.5	6.40	96.9	95.5	94.5	7.07	7.85	7.94	-26.8	-37.2	-51.9	0.09		
5.0	6.46	100.1	98.7	97.7	7.12	7.92	8.02	-26.5	-37.2	-51.8	0.09		
5.5	6.55	103.5	102.0	100.9	7.17	7.97	8.07	-26.2	-37.1	-52.0	0.09		
6.0	6.63	106.8	105.3	104.2	7.17	8.07	8.16	-26.0	-36.9	-51.4	0.09		
6.5	6.72	110.2	108.6	107.5	7.21	8.10	8.22	-25.7	-36.8	-51.5	0.10		
7.0	6.85	113.7	112.1	110.9	7.26	8.09	8.23	-25.6	-37.1	-51.5	0.13		
7.5	6.94	117.2	115.5	114.3	7.23	8.11	8.29	-25.4	-37.0	-51.3	0.15		
8.0	7.00	120.7	119.0	117.8	7.23	8.15	8.34	-25.0	-36.7	-51.6	0.17		
8.5	7.05	124.2	122.6	121.3	7.23	8.21	8.31	-24.4	-36.3	-50.9	0.20		
9.0	7.06	127.8	126.1	124.8	7.28	8.20	8.33	-23.9	-35.8	-49.7	0.21		
9.5	7.01	131.3	129.6	128.2	7.25	8.22	8.36	-23.6	-35.9	-50.2	0.23		
10.0	6.95	134.8	133.1	131.7	7.24	8.20	8.34	-23.1	-35.6	-49.0	0.26		
10.5	6.88	138.2	136.5	135.1	7.25	8.15	8.35	-22.8	-35.8	-49.4	0.28		
11.0	6.79	141.6	139.9	138.5	7.19	8.18	8.40	-22.5	-35.7	-50.1	0.28		
11.5	6.65	144.9	143.2	141.8	7.19	8.20	8.37	-22.2	-35.6	-50.0	0.30		
12.0	6.52	148.2	146.5	145.1	7.18	8.16	8.39	-21.9	-35.6	-51.2	0.32		
12.5	6.38	151.3	149.7	148.2	7.13	8.18	8.39	-21.7	-35.4	-50.4	0.34		
13.0	6.26	154.5	152.8	151.4	7.14	8.19	8.34	-21.5	-35.2	-50.7	0.36		
13.5	6.13	157.5	155.9	154.4	7.13	8.13	8.34	-21.3	-35.1	-50.6	0.38		
14.0	5.97	160.5	158.9	157.4	7.07	8.12	8.30	-21.2	-35.0	-51.7	0.39		
14.5	5.80	163.4	161.8	160.3	7.03	8.06	8.29	-21.1	-34.9	-51.0	0.40		
15.0	5.63	166.2	164.6	163.1	6.96	8.03	8.25	-20.9	-35.0	-52.4	0.40		
15.5	5.41	168.9	167.3	165.7	6.91	7.97	8.21	-20.8	-35.0	-50.2	0.39		
16.0	5.17	171.5	169.9	168.3	6.85	7.94	8.19	-20.5	-34.7	-50.7	0.37		
16.5	4.91	173.9	172.3	170.6	6.77	7.88	8.13	-20.3	-35.0	-51.6	0.34		
17.0	4.61	176.2	174.6	172.8	6.70	7.81	8.07	-20.1	-34.7	-52.6	0.28		
17.5	4.27	178.4	176.8	174.7	6.62	7.75	8.00	-19.9	-34.8	-52.4	0.20		
18.0	3.93	180.4	178.7	175.7	6.56	7.68	7.80	-19.6	-35.1	-52.4	0.07		