

# Voltage Controlled Oscillator

# JTOS-1025+

## 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			
0.0	75.1	605.6	590.5	578.3	-1.0	-1.9	-2.4	-21.1	-21.2	-20.3	0.2	1	-75
0.5	59.1	641.1	628.0	618.9	2.3	2.0	2.1	-30.9	-26.7	-21.0	0.2	10	-96
1.0	48.3	668.8	657.6	648.4	4.5	4.6	4.3	-34.8	-31.0	-23.1	0.6	100	-115
1.5	39.5	691.5	681.8	672.2	5.6	6.0	5.7	-36.0	-32.0	-25.5	1.3	1000	-133
2.0	34.8	710.8	701.5	691.9	6.2	6.7	6.4	-35.5	-33.8	-29.2	1.4		
2.5	31.8	727.9	718.9	709.6	6.8	7.2	7.0	-35.1	-35.3	-31.7	1.3		
3.0	30.0	743.4	734.8	725.7	7.4	7.7	7.4	-34.7	-37.7	-35.2	1.2		
3.5	27.7	758.2	749.8	740.4	7.8	8.1	7.8	-35.2	-41.5	-39.6	1.2		
4.0	26.0	772.4	763.7	754.5	8.1	8.4	8.2	-32.8	-42.8	-37.8	1.5		
4.5	26.8	786.1	776.7	768.3	8.2	8.6	8.5	-30.4	-41.2	-44.0	1.2		
5.0	25.9	798.6	790.1	781.5	8.3	8.7	8.7	-28.8	-37.5	-43.6	1.2		
5.5	26.0	811.1	803.1	794.3	8.3	8.8	8.8	-28.3	-36.3	-44.1	1.2		
6.0	23.7	823.5	816.0	806.9	8.4	9.1	8.9	-28.4	-31.6	-42.8	1.4		
6.5	25.3	835.8	827.9	819.4	8.6	9.2	9.1	-27.5	-34.4	-40.2	1.5		
7.0	24.7	848.6	840.6	831.8	8.8	9.4	9.2	-27.1	-30.3	-40.5	1.4		
7.5	31.0	863.1	852.9	844.8	9.0	9.4	9.2	-27.4	-31.3	-39.0	0.6		
8.0	37.0	881.5	868.4	860.6	9.1	9.6	9.3	-28.7	-31.6	-37.5	0.4		
8.5	36.8	901.5	886.9	878.3	9.0	9.7	9.4	-29.4	-33.0	-34.7	0.8		
9.0	36.4	920.3	905.2	896.3	9.0	9.7	9.6	-31.4	-32.6	-31.0	0.4		
9.5	34.5	936.8	923.5	913.5	9.1	9.8	9.7	-32.6	-33.2	-31.5	0.1		
10.0	30.1	953.0	940.7	929.5	9.5	9.9	9.8	-35.6	-36.5	-31.3	0.4		
10.5	29.0	969.1	955.8	945.0	9.6	9.9	9.9	-38.8	-34.7	-30.6	0.6		
11.0	26.4	985.2	970.3	958.5	9.6	10.1	10.0	-39.5	-37.7	-31.5	0.9		
11.5	23.9	999.2	983.5	971.4	9.6	10.3	10.1	-36.1	-38.4	-31.1	1.2		
12.0	23.4	1011.9	995.4	983.4	9.7	10.4	10.1	-35.5	-38.9	-31.3	1.5		
12.5	19.5	1022.2	1007.1	994.3	9.8	10.4	10.1	-34.7	-42.7	-32.1	2.0		
13.0	16.8	1031.9	1016.8	1004.8	9.9	10.4	10.0	-33.1	-39.6	-33.1	1.8		
13.5	15.6	1040.3	1025.2	1014.2	10.0	10.4	10.0	-29.7	-44.5	-36.3	1.9		
14.0	14.8	1048.0	1033.0	1022.8	9.9	10.4	9.9	-28.8	-52.9	-37.6	1.7		
14.5	14.0	1055.8	1040.4	1030.7	9.8	10.3	9.7	-28.2	-53.6	-39.8	1.5		
15.0	13.7	1064.3	1047.4	1037.8	9.7	10.1	9.6	-29.3	-53.8	-37.6	1.6		
15.5	13.7	1072.0	1054.3	1044.3	9.6	9.9	9.4	-28.9	-55.3	-38.7	1.8		
16.0	12.2	1078.7	1061.1	1050.3	9.5	9.8	9.2	-27.9	-55.3	-39.4	2.0		
16.5	10.4	1084.6	1067.2	1056.3	9.3	9.6	9.0	-26.9	-52.3	-40.2	1.9		
17.0	9.3	1089.9	1072.4	1062.0	9.1	9.4	8.9	-26.0	-47.5	-41.9	1.9		
17.5	8.6	1095.0	1077.1	1067.1	8.9	9.2	8.7	-25.3	-44.8	-43.1	1.9		
18.0	8.6	1100.3	1081.4	1071.5	8.8	9.0	8.5	-24.9	-44.0	-43.7	2.0		

**Notes**

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