

# Voltage Controlled Oscillator

JTOS-100

## 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			
1.0	3.80	45.6	44.4	43.9	8.98	9.42	9.17	-40.4	-38.2	-48.7	0.02	1	-83
2.0	4.20	49.4	48.6	48.3	9.05	9.40	9.17	-46.4	-40.8	-46.6	0.28	10	-108
3.0	4.50	54.0	53.2	52.8	8.95	9.32	9.08	-58.4	-40.9	-44.5	0.22	100	-128
4.0	4.10	58.1	57.3	56.9	8.80	9.22	8.99	-50.3	-39.8	-43.4	0.15	1000	-140
5.0	4.00	62.1	61.3	60.9	8.71	9.12	8.91	-45.6	-38.6	-42.5	0.13		
6.0	4.10	66.2	65.4	65.0	8.57	8.99	8.78	-43.4	-37.4	-41.5	0.12		
7.0	4.20	70.4	69.6	69.1	8.43	8.86	8.64	-42.6	-36.2	-40.5	0.15		
8.0	4.30	74.8	73.9	73.4	8.24	8.67	8.48	-43.1	-35.0	-39.6	0.18		
9.0	4.40	79.3	78.3	77.8	8.06	8.46	8.26	-44.7	-34.1	-38.7	0.22		
10.0	4.40	83.8	82.8	82.3	7.86	8.22	8.04	-48.5	-33.1	-38.3	0.23		
11.0	4.50	88.3	87.2	86.7	7.67	8.00	7.78	-53.8	-32.5	-38.1	0.25		
12.0	4.50	92.7	91.7	91.1	7.38	7.77	7.51	-54.9	-31.8	-37.7	0.24		
13.0	4.40	97.1	96.1	95.5	7.21	7.52	7.30	-51.1	-31.5	-37.4	0.23		
14.0	4.40	101.5	100.5	99.8	6.99	7.31	7.04	-48.0	-30.9	-37.3	0.28		
15.0	4.40	106.0	104.8	104.2	6.76	7.13	6.85	-46.2	-30.6	-37.3	0.32		
16.0	4.40	110.4	109.2	108.6	6.54	6.93	6.61	-44.6	-30.2	-37.3	0.40		

REV. X1  
JTOS-100  
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Page 1 of 1



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