

# Voltage Controlled Oscillator

# JTOS-50+

## 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	3.20	23.1	22.8	22.4	8.68	8.95	8.98	-16.9	-29.7	-38.5	0.03	1	-88
2.0	2.40	25.6	25.2	24.8	9.57	9.79	9.74	-17.8	-30.6	-37.5	0.05	10	-108
3.0	2.00	27.6	27.2	26.8	9.55	9.76	9.80	-18.3	-31.3	-36.3	0.01	100	-127
4.0	1.90	29.6	29.0	28.6	9.44	9.66	9.69	-18.8	-31.2	-35.7	0.00	1000	-147
5.0	1.90	31.5	30.9	30.5	9.28	9.51	9.53	-19.5	-30.8	-35.2	0.01		
6.0	1.90	33.5	32.8	32.4	9.07	9.31	9.33	-20.1	-30.3	-34.6	0.02		
7.0	2.10	35.6	34.9	34.4	9.24	9.07	9.10	-20.9	-29.7	-34.4	0.03		
8.0	2.20	37.8	37.1	36.5	9.00	9.20	9.23	-21.8	-28.8	-33.6	0.03		
9.0	2.30	40.0	39.4	38.8	8.75	8.93	8.93	-22.9	-28.5	-33.5	0.05		
10.0	2.30	42.2	41.7	41.1	8.50	8.64	8.62	-24.2	-28.1	-33.4	0.07		
11.0	2.30	44.4	44.0	43.4	8.26	8.37	8.31	-25.5	-27.8	-33.3	0.09		
12.0	2.30	46.7	46.3	45.8	7.73	7.81	7.73	-26.7	-27.7	-33.2	0.10		
13.0	2.40	49.3	48.7	48.2	7.41	7.49	7.39	-28.2	-27.4	-33.2	0.09		
14.0	2.60	52.2	51.2	50.7	7.00	7.14	7.04	-30.0	-27.0	-33.3	0.01		
15.0	2.90	55.4	54.1	53.5	6.39	6.71	6.64	-32.1	-26.6	-33.4	0.21		
16.0	3.30	58.8	57.4	56.8	5.93	6.09	6.05	-32.3	-26.3	-33.8	0.47		

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