

Voltage Controlled Oscillator

JTOS-1000W+

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	65.30	455.4	443.4	433.8	6.26	6.25	5.53	-22.4	-38.3	-47.6	0.10	1	-73
2.0	47.60	503.9	491.1	480.0	7.39	7.21	6.47	-24.1	-39.8	-46.3	0.05	10	-94
3.0	43.40	546.4	534.5	521.8	7.47	8.06	7.56	-23.9	-41.3	-44.8	0.04	100	-114
4.0	41.20	587.5	575.7	562.2	8.20	8.54	8.16	-23.3	-41.9	-45.6	0.19	1000	-134
5.0	37.20	624.5	612.9	600.2	8.46	8.97	8.85	-24.4	-44.8	-50.1	0.51		
6.0	36.00	660.5	648.9	636.8	9.22	9.54	9.03	-30.7	-47.2	-53.7	0.70		
7.0	37.00	697.5	685.8	673.9	9.70	10.08	9.64	-48.2	-48.1	-52.9	0.88		
8.0	38.30	736.4	724.2	711.9	9.07	9.62	9.84	-31.5	-51.2	-51.5	1.12		
9.0	39.20	775.7	763.4	750.8	8.72	9.58	9.46	-29.1	-51.1	-47.8	1.38		
10.0	38.90	815.3	802.3	789.0	8.02	8.68	8.60	-27.1	-47.6	-43.8	1.43		
11.0	37.40	854.6	839.7	825.1	8.08	8.58	8.42	-26.0	-46.0	-46.1	1.57		
12.0	34.00	889.3	873.7	858.0	7.57	8.27	7.99	-25.1	-48.9	-47.1	1.71		
13.0	33.20	925.5	906.9	889.6	6.77	7.37	7.23	-24.6	-50.2	-48.1	1.85		
14.0	35.10	960.6	942.0	925.7	5.90	6.70	6.35	-24.8	-49.6	-47.4	1.75		
15.0	34.00	991.3	976.0	963.0	5.27	5.88	5.37	-24.9	-47.4	-54.0	1.38		
16.0	34.20	1022.2	1010.1	999.0	5.11	5.44	4.99	-26.7	-43.7	-53.7	1.19		
17.0	32.20	1052.6	1042.4	1031.8	4.35	5.25	5.01	-26.4	-40.8	-54.3	1.09		
18.0	28.70	1081.0	1071.0	1060.6	3.80	4.85	4.62	-26.1	-39.6	-52.4	0.97		
19.0	25.60	1106.4	1096.6	1086.3	3.72	4.36	4.18	-25.2	-40.9	-52.4	0.94		
20.0	23.50	1129.8	1120.1	1109.4	3.13	3.81	3.64	-24.7	-41.2	-54.8	1.12		

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