

Voltage Controlled Oscillator

JTOS-2000+

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	37.41	1173.8	1159.6	1140.1	13.99	13.33	12.70	-6.5	-19.5	-29.0	4.08	1	-73
1.0	35.81	1210.6	1197.0	1181.5	13.76	13.55	12.80	-8.3	-27.2	-30.3	2.98	10	-101
2.0	34.02	1246.2	1232.8	1216.2	13.44	12.99	12.38	-9.4	-34.2	-31.6	2.55	100	-122
3.0	36.97	1281.6	1266.8	1251.6	13.07	13.06	12.49	-11.3	-42.6	-33.7	2.12	1000	-143
4.0	41.72	1317.3	1303.8	1289.4	12.92	12.89	12.22	-12.9	-36.5	-33.7	1.95		
5.0	46.09	1359.1	1345.5	1330.9	12.78	12.60	12.16	-13.8	-31.1	-36.0	2.32		
6.0	53.06	1406.2	1391.6	1378.0	12.84	12.94	12.31	-14.7	-29.7	-38.4	2.36		
7.0	58.09	1458.2	1444.7	1431.1	13.14	12.85	11.95	-15.2	-29.7	-40.4	2.35		
8.0	62.18	1516.2	1502.8	1488.6	13.03	12.49	11.81	-15.5	-29.8	-43.3	2.28		
9.0	65.19	1578.7	1564.9	1551.1	12.93	12.55	11.91	-16.2	-30.7	-39.5	2.07		
10.0	65.44	1643.7	1630.1	1616.2	13.10	12.51	11.81	-16.6	-30.5	-37.5	1.58		
11.0	63.10	1709.0	1695.6	1681.5	12.93	12.17	11.57	-19.1	-32.7	-32.8	1.16		
12.0	59.37	1771.3	1758.7	1745.0	12.63	12.06	11.72	-25.6	-38.9	-36.3	1.05		
13.0	57.02	1829.2	1818.0	1805.9	12.62	12.17	11.69	-33.7	-44.6	-43.5	0.99		
14.0	52.30	1885.0	1875.1	1863.9	12.73	12.03	11.41	-31.2	-45.3	-53.4	0.81		
15.0	46.84	1937.0	1927.4	1916.8	12.52	11.98	11.52	-28.4	-40.1	-63.9	0.82		
16.0	42.28	1983.2	1974.2	1964.3	12.48	12.00	11.28	-24.9	-37.3	-59.2	0.75		
17.0	38.40	2024.7	2016.5	2007.1	12.16	11.59	10.98	-21.3	-34.7	-51.5	0.53		
18.0	35.14	2062.5	2054.9	2046.0	11.87	11.40	10.73	-18.8	-34.2	-45.1	0.18		
19.0	30.04	2097.8	2090.0	2080.0	11.50	11.21	10.62	-17.3	-32.9	-42.7	0.28		
20.0	24.78	2128.9	2120.1	2108.5	11.29	11.07	10.52	-16.8	-32.8	-42.8	0.60		
21.0	19.58	2154.9	2144.8	2131.9	11.34	11.12	10.35	-16.9	-30.4	-42.1	0.58		
22.0	15.22	2176.4	2164.4	2150.0	11.57	11.21	10.38	-16.7	-31.3	-41.7	0.41		
23.0	11.98	2192.7	2179.6	2164.2	11.58	11.34	10.40	-17.2	-32.7	-40.5	0.03		
24.0	11.98	2206.0	2191.6	2175.3	11.75	11.29	10.43	-16.8	-29.8	-38.2	0.57		