

Voltage Controlled Oscillator

JTOS-1910+

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			
0.00	83.40	1415.2	1392.9	1377.3	3.80	3.26	2.81	-21.2	-29.2	-33.9	1.04	1	-70
0.50	71.27	1454.3	1434.6	1420.5	4.69	4.25	3.61	-20.6	-28.5	-39.1	1.05	10	-96
1.00	56.21	1490.6	1470.2	1454.6	5.68	5.07	4.39	-21.1	-27.5	-41.7	1.43	100	-119
1.50	50.97	1517.6	1498.3	1483.7	6.02	5.61	4.71	-23.0	-28.6	-40.8	1.46	1000	-140
2.00	49.77	1542.6	1523.8	1510.3	6.17	5.80	5.16	-26.3	-29.9	-39.7	1.52		
2.50	47.31	1566.8	1548.7	1535.1	6.35	6.06	5.38	-30.0	-31.1	-41.9	1.53		
3.00	44.70	1590.2	1572.4	1559.3	6.45	6.38	5.58	-36.2	-32.1	-46.3	1.48		
3.50	48.13	1613.6	1594.7	1582.8	6.61	6.39	5.69	-41.0	-33.3	-45.4	1.44		
4.00	46.84	1636.4	1618.8	1606.7	6.64	6.50	5.86	-43.2	-35.0	-42.5	1.51		
4.50	46.23	1660.6	1642.2	1630.2	6.79	6.76	6.01	-38.5	-35.3	-37.6	1.42		
5.00	49.40	1684.3	1665.3	1653.9	7.02	6.70	6.01	-37.0	-34.9	-33.8	1.48		
5.50	48.42	1708.1	1690.0	1678.7	6.98	7.03	6.28	-33.2	-34.3	-32.6	1.46		
6.00	51.08	1733.5	1714.2	1703.1	7.21	7.12	6.39	-32.1	-33.7	-34.0	1.46		
6.50	51.03	1758.7	1739.8	1728.4	7.51	7.26	6.39	-31.2	-34.5	-35.6	1.49		
7.00	53.33	1784.7	1765.3	1755.0	7.58	7.55	6.78	-31.0	-35.8	-35.9	1.45		
7.50	56.43	1812.3	1791.9	1781.3	7.75	7.50	6.91	-28.9	-37.0	-36.6	1.52		
8.00	56.49	1840.1	1820.2	1809.2	8.05	7.66	6.95	-28.1	-37.6	-36.3	1.53		
8.50	57.70	1868.2	1848.4	1837.8	8.31	7.92	7.27	-26.0	-37.2	-39.1	1.49		
9.00	61.58	1896.9	1877.2	1866.2	8.37	7.93	7.56	-24.8	-36.6	-41.3	1.52		
9.50	59.07	1926.1	1908.0	1894.7	8.58	8.17	7.52	-23.2	-36.1	-43.3	1.49		
10.00	60.98	1953.2	1937.6	1924.0	8.53	8.36	7.66	-22.1	-35.3	-47.4	1.45		
10.50	59.66	1980.8	1968.1	1950.6	8.03	8.42	7.46	-21.8	-35.4	-42.9	1.47		
11.00	57.33	2007.5	1997.9	1978.4	7.26	8.64	6.55	-21.4	-36.5	-40.0	1.43		
11.50	54.90	2033.6	2026.6	2006.3	5.61	8.74	5.41	-23.0	-36.9	-39.8	1.39		
12.00	52.47	2063.0	2054.0	2035.0	3.38	8.96	3.44	-24.4	-38.5	-42.0	1.29		
12.50	50.79	2095.3	2080.3	2066.8	2.87	8.94	2.30	-25.6	-40.7	-45.0	1.20		
13.00	45.05	2124.2	2105.6	2096.9	4.47	8.94	3.46	-27.4	-43.0	-47.4	1.12		
13.50	42.24	2150.2	2128.2	2122.6	5.66	9.04	4.63	-28.6	-46.1	-50.6	1.00		
14.00	42.24	2173.8	2149.3	2147.3	6.79	8.83	5.02	-29.8	-45.0	-53.5	0.93		

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