

Voltage Controlled Oscillator

JTOS-1950

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	41.32	1518.1	1495.5	1477.4	11.65	11.46	10.72	-13.1	-47.7	-38.3	0.04	1	-70
0.5	31.77	1537.2	1516.2	1499.8	11.73	11.57	10.88	-13.3	-47.0	-37.7	0.53	10	-99
1.0	27.99	1552.5	1532.1	1516.3	11.74	11.61	10.93	-13.7	-46.1	-38.4	0.64	100	-122
1.5	25.86	1565.9	1546.1	1530.6	11.73	11.60	10.95	-13.6	-45.9	-38.7	0.67	1000	-145
2.0	24.34	1578.2	1559.0	1543.9	11.68	11.59	10.95	-13.9	-44.4	-39.3	0.67		
2.5	23.48	1590.2	1571.2	1556.5	11.68	11.55	10.94	-14.2	-44.7	-39.1	0.65		
3.0	23.56	1601.8	1582.9	1568.6	11.68	11.50	10.91	-14.2	-44.1	-39.9	0.64		
3.5	23.37	1613.2	1594.7	1580.4	11.69	11.46	10.86	-14.4	-43.9	-40.0	0.62		
4.0	23.15	1624.3	1606.4	1592.3	11.66	11.45	10.85	-14.6	-44.0	-40.1	0.59		
4.5	23.19	1635.4	1617.9	1604.1	11.57	11.42	10.84	-14.8	-43.5	-40.4	0.56		
5.0	23.56	1646.8	1629.5	1616.0	11.47	11.36	10.81	-15.0	-44.6	-41.6	0.52		
5.5	24.48	1658.8	1641.3	1627.9	11.31	11.27	10.75	-15.4	-44.2	-42.0	0.50		
6.0	25.82	1671.3	1653.6	1640.1	11.30	11.15	10.66	-15.3	-44.4	-43.5	0.49		
6.5	26.26	1683.6	1666.5	1652.8	11.27	11.02	10.55	-15.4	-43.7	-46.3	0.47		
7.0	26.73	1696.4	1679.6	1666.2	11.16	11.02	10.44	-15.8	-43.6	-49.2	0.41		
7.5	27.67	1709.5	1693.0	1679.8	11.05	10.94	10.44	-15.9	-43.1	-49.9	0.36		
8.0	28.36	1723.0	1706.8	1693.6	10.88	10.82	10.36	-16.1	-42.9	-48.1	0.27		
8.5	29.17	1737.0	1721.0	1707.9	10.72	10.65	10.24	-16.1	-44.3	-45.5	0.15		
9.0	29.76	1751.2	1735.6	1722.7	10.55	10.48	10.07	-16.2	-43.2	-44.7	0.01		
9.5	30.44	1765.8	1750.4	1737.8	10.39	10.30	9.91	-16.6	-42.3	-42.3	0.17		
10.0	30.50	1780.6	1765.7	1753.0	10.17	10.15	9.77	-16.7	-40.8	-41.5	0.37		
10.5	30.18	1795.3	1780.9	1768.5	9.98	9.94	9.62	-16.8	-39.1	-41.4	0.58		
11.0	29.77	1810.0	1796.0	1783.9	9.77	9.75	9.44	-17.0	-38.8	-39.8	0.79		
11.5	30.11	1825.0	1810.9	1799.0	9.55	9.55	9.28	-17.5	-38.1	-39.4	1.01		
12.0	30.05	1840.1	1825.9	1813.8	9.27	9.36	9.09	-17.8	-37.6	-39.7	1.22		
12.5	29.42	1855.0	1841.0	1828.6	9.11	9.10	8.90	-18.3	-37.1	-39.5	1.42		
13.0	27.95	1869.3	1855.7	1843.3	8.97	8.94	8.69	-18.4	-36.3	-39.8	1.53		
13.5	27.01	1883.4	1869.6	1857.4	8.75	8.84	8.60	-18.8	-36.0	-42.6	1.62		
14.0	26.23	1897.2	1883.2	1870.7	8.44	8.67	8.51	-19.3	-35.9	-44.8	1.71		
14.5	25.49	1910.7	1896.3	1883.6	8.17	8.43	8.37	-19.8	-35.1	-45.5	1.78		
15.5	23.95	1936.6	1921.5	1907.9	7.83	7.95	7.94	-21.1	-34.8	-45.6	1.83		
16.0	21.68	1948.1	1933.5	1919.6	7.71	7.81	7.73	-21.4	-34.3	-49.8	1.69		
17.0	20.21	1970.6	1954.7	1940.9	7.30	7.62	7.55	-22.9	-34.1	-46.0	1.59		
17.5	19.53	1981.2	1964.8	1950.5	7.10	7.45	7.45	-23.6	-33.9	-48.7	1.53		
18.5	18.05	2001.1	1984.0	1968.9	6.73	7.11	7.12	-25.1	-33.9	-47.2	1.39		
19.0	17.13	2010.2	1993.0	1977.6	6.53	6.96	6.95	-26.0	-33.6	-44.8	1.30		
20.0	15.66	2027.5	2009.8	1994.1	6.21	6.64	6.64	-27.4	-33.6	-41.8	1.16		
20.5	15.11	2035.5	2017.6	2001.8	6.08	6.48	6.51	-27.9	-33.0	-43.2	1.10		
21.5	13.98	2050.7	2032.5	2016.2	5.85	6.20	6.18	-28.9	-33.6	-41.9	1.00		
22.0	13.98	2057.9	2039.5	2023.0	5.76	6.09	6.03	-29.2	-33.8	-40.1	0.94		

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