

Voltage Controlled Oscillator

JTOS-1550+

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	57.73	1042.28	1031.24	1012.82	10.06	10.18	10.19	-16.24	-37.46	-39.35	1.69	1	-73
0.5	58.05	1071.53	1060.11	1044.20	9.85	10.05	10.15	-15.37	-32.88	-39.86	1.54	10	-102
1.0	50.05	1098.98	1089.13	1071.72	9.90	10.00	9.91	-14.71	-30.86	-39.31	1.43	100	-125
1.5	47.65	1123.89	1114.15	1097.92	9.79	9.94	9.94	-14.14	-29.22	-38.64	1.32	1000	-146
2.0	47.90	1149.26	1137.98	1122.13	9.73	9.77	9.82	-13.76	-28.57	-36.66	1.22		
2.5	42.31	1171.33	1161.93	1146.05	9.86	9.87	9.67	-13.55	-29.04	-35.96	1.18		
3.0	41.22	1192.51	1183.09	1167.77	9.78	9.89	9.81	-13.33	-29.14	-36.51	1.16		
3.5	40.02	1213.29	1203.70	1188.34	9.68	9.81	9.74	-13.15	-28.66	-34.14	1.11		
4.0	38.84	1233.37	1223.71	1208.46	9.72	9.69	9.64	-13.03	-30.20	-33.04	1.12		
4.5	35.75	1251.87	1243.13	1228.03	9.66	9.75	9.61	-13.13	-30.20	-32.55	1.05		
5.0	35.52	1269.85	1261.00	1246.43	9.61	9.72	9.61	-13.19	-28.86	-31.97	0.98		
5.5	34.16	1287.45	1278.76	1263.91	9.55	9.63	9.54	-13.31	-29.25	-31.37	0.92		
6.0	33.40	1304.35	1295.84	1281.39	9.46	9.56	9.43	-13.62	-30.44	-30.84	0.82		
6.5	32.29	1320.89	1312.54	1298.13	9.34	9.45	9.36	-13.83	-31.26	-29.94	0.73		
7.0	32.40	1337.18	1328.69	1314.60	9.20	9.34	9.22	-14.47	-31.37	-29.14	0.62		
7.5	31.30	1352.98	1344.89	1330.75	9.19	9.22	9.09	-14.98	-29.51	-28.63	0.49		
8.0	30.12	1368.11	1360.53	1346.90	9.07	9.17	8.99	-16.02	-31.20	-28.27	0.35		
8.5	31.12	1383.23	1375.60	1362.43	8.86	9.01	8.92	-17.19	-29.49	-27.59	0.17		
9.0	31.63	1398.82	1391.16	1377.76	8.56	8.80	8.70	-18.91	-28.62	-26.68	0.02		
9.5	35.22	1415.17	1406.97	1394.00	8.30	8.42	8.44	-21.00	-27.62	-26.68	0.19		
10.0	31.66	1431.67	1424.58	1410.41	8.20	8.22	8.06	-25.10	-28.73	-26.68	0.24		
10.5	35.94	1448.09	1440.41	1427.89	7.87	8.03	7.96	-30.89	-27.46	-26.85	0.41		
11.0	34.11	1466.25	1458.38	1443.84	7.63	7.80	7.72	-34.02	-26.53	-27.02	0.42		
11.5	35.45	1484.22	1475.43	1461.48	7.37	7.53	7.49	-27.86	-27.38	-28.04	0.56		
12.0	34.46	1501.62	1493.16	1478.22	7.34	7.42	7.26	-23.78	-28.69	-29.16	0.47		
12.5	29.23	1519.12	1510.39	1494.72	7.38	7.36	7.21	-21.56	-29.45	-28.93	0.60		
13.0	28.56	1533.41	1525.00	1510.27	7.37	7.49	7.18	-20.29	-27.73	-26.58	0.52		
13.5	28.55	1548.75	1539.28	1524.36	7.33	7.30	7.35	-18.83	-26.42	-27.82	0.92		
14.0	20.53	1561.73	1553.56	1536.26	7.57	7.57	7.20	-19.31	-30.24	-25.60	0.63		
14.5	23.83	1572.42	1563.82	1549.39	7.46	7.56	7.25	-18.36	-27.51	-26.58	0.77		
15.5	16.68	1594.82	1586.37	1568.59	7.69	7.63	7.45	-18.62	-27.34	-24.25	0.80		
16.0	15.07	1602.77	1594.70	1578.30	7.73	7.75	7.32	-18.53	-28.00	-27.90	0.69		
17.0	14.35	1619.09	1610.37	1593.92	7.73	7.65	7.60	-17.30	-25.62	-26.85	0.74		
17.5	11.65	1625.89	1617.55	1599.93	7.84	7.77	7.65	-18.32	-28.17	-23.43	0.47		
18.5	9.89	1637.17	1628.52	1610.80	7.87	7.90	7.58	-18.32	-26.36	-26.73	0.13		
19.0	9.22	1642.54	1633.46	1615.86	7.87	7.90	7.62	-18.02	-26.10	-24.11	0.06		
20.0	6.70	1651.02	1642.07	1623.79	7.96	7.93	7.72	-18.68	-27.90	-26.63	0.46		
20.5	5.89	1654.37	1645.43	1626.99	7.99	7.97	7.74	-18.84	-27.94	-27.81	0.59		
21.5	4.81	1660.08	1651.02	1632.51	7.99	8.04	7.73	-18.29	-27.11	-24.66	0.81		
22.0	4.81	1662.64	1653.42	1634.98	7.96	8.02	7.71	-17.81	-26.78	-23.95	0.90		

