

Voltage Controlled Oscillator

JTOS-ED7301/1

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	45.00	1039.4	1031.9	1025.3	8.07	8.22	8.07	-18.1	-37.9	-44.2	2.11	1000	-138
2.0	39.10	1079.3	1070.9	1064.0	8.54	8.62	8.59	-17.6	-40.2	-44.2	2.24	100	-118
3.0	37.30	1117.4	1108.2	1100.8	9.16	9.13	9.03	-17.0	-42.3	-46.3	2.31	10	-98
4.0	35.40	1153.4	1143.5	1135.7	9.59	9.66	9.55	-17.1	-45.9	-43.4	2.33	1	-73
5.0	33.80	1188.1	1177.3	1168.8	10.17	10.07	9.81	-17.1	-46.1	-39.8	2.04		
6.0	31.10	1218.3	1208.4	1200.2	10.59	10.60	10.34	-19.0	-47.5	-39.5	1.62		
7.0	30.70	1248.6	1239.1	1231.5	10.58	10.58	10.22	-19.6	-43.6	-41.8	1.76		
8.0	33.60	1282.8	1272.7	1264.9	10.52	10.62	10.26	-21.6	-44.1	-42.8	2.02		
9.0	34.80	1318.5	1307.5	1299.3	10.29	10.29	10.24	-22.6	-39.9	-42.7	2.00		
10.0	33.80	1353.5	1341.3	1332.7	10.04	10.02	9.91	-24.4	-41.4	-42.6	1.70		
11.0	32.70	1388.4	1374.1	1365.0	9.88	9.85	9.73	-25.7	-43.0	-42.0	1.27		
12.0	30.90	1420.8	1405.0	1395.7	9.45	9.31	9.24	-26.6	-43.0	-41.3	0.60		
13.0	28.90	1451.3	1433.8	1423.9	9.21	8.81	8.63	-27.2	-42.9	-38.9	0.11		
14.0	27.20	1480.3	1461.0	1450.3	8.69	8.30	8.08	-28.9	-42.5	-37.5	0.72		
15.0	24.90	1507.0	1485.9	1473.9	7.96	7.40	7.05	-28.9	-40.8	-36.4	1.13		
16.0	22.10	1531.3	1508.0	1495.0	7.37	6.53	6.02	-29.7	-44.2	-38.7	1.36		
17.0	19.60	1553.2	1527.5	1525.8	6.69	5.61	5.91	-30.5	-41.1	-40.5	1.51		
18.0	17.20	1572.6	1544.8	1544.5	5.97	4.66	5.12	-30.9	-40.5	-41.4	1.59		
19.0	15.00	1589.9	1559.8	1561.3	5.27	3.54	4.01	-31.6	-41.1	-41.4	1.65		
20.0	13.70	1605.4	1573.5	1576.3	4.81	2.34	2.56	-32.0	-41.2	-42.0	1.72		