

Voltage Controlled Oscillator

JTOS-EDR4935

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			
0.5	112.38	815.7	795.9	784.9	3.59	4.11	3.33	-20.6	-36.5	-56.3	0.70	1	-70
1.0	104.06	868.7	847.9	836.9	3.48	4.11	3.02	-18.6	-41.0	-54.3	0.90	10	-98
1.5	99.46	919.2	897.7	887.4	3.85	3.91	3.17	-15.9	-39.3	-57.0	0.96	100	-117
2.0	96.51	966.2	945.9	935.4	4.08	4.13	3.55	-15.0	-40.3	-50.1	1.15	1000	-142
2.5	92.67	1011.8	992.3	981.6	4.07	4.30	3.78	-15.1	-42.6	-47.5	1.22		
3.0	91.90	1058.2	1038.2	1027.6	4.04	4.58	3.82	-16.2	-46.0	-46.5	1.34		
3.5	89.60	1103.7	1083.0	1073.3	4.14	4.62	3.94	-17.6	-44.4	-47.6	1.41		
4.0	91.01	1148.7	1128.5	1118.3	4.42	4.46	4.17	-19.7	-39.7	-44.5	1.47		
4.5	88.83	1192.8	1172.9	1161.8	4.47	4.76	4.30	-21.8	-40.6	-42.9	1.54		
5.0	84.61	1236.4	1215.2	1203.8	4.39	5.09	4.23	-23.1	-43.5	-41.5	1.73		
5.5	81.28	1278.9	1255.9	1245.1	4.55	5.28	4.19	-26.0	-40.8	-40.0	1.79		
6.0	78.08	1319.4	1294.9	1284.4	4.98	5.56	4.32	-26.8	-35.9	-39.4	1.79		
6.5	75.39	1356.2	1332.6	1321.2	5.48	5.64	4.69	-28.2	-34.6	-38.3	1.66		
7.0	71.17	1391.0	1368.2	1356.3	5.73	5.77	5.08	-28.6	-34.7	-38.4	1.34		
7.5	67.20	1425.0	1401.8	1390.6	5.79	6.02	5.24	-30.2	-34.4	-38.2	1.02		
8.0	65.66	1458.0	1434.6	1424.9	5.86	6.26	5.21	-32.0	-35.0	-37.8	0.58		
8.5	65.79	1489.5	1467.5	1458.6	5.94	6.44	5.15	-33.3	-35.1	-36.3	0.32		
9.0	67.07	1519.6	1501.1	1492.2	6.02	6.55	5.04	-34.5	-35.4	-37.0	0.13		
9.5	66.94	1553.0	1534.5	1524.9	6.11	6.56	4.94	-34.9	-35.7	-38.4	-0.13		
10.0	62.46	1584.4	1565.8	1558.1	6.24	6.63	4.92	-37.9	-35.6	-41.8	-0.51		
10.5	62.85	1615.8	1597.2	1591.6	6.21	6.63	4.82	-36.4	-38.8	-41.8	-0.70		
11.0	66.94	1647.4	1630.7	1625.0	6.12	6.46	4.80	-34.0	-38.2	-40.8	-0.64		
11.5	71.42	1679.9	1666.4	1659.3	5.80	6.07	4.63	-31.5	-37.7	-38.6	-0.13		
12.0	69.89	1714.6	1701.3	1692.9	5.20	5.66	4.29	-30.4	-37.2	-38.0	0.19		
12.5	64.77	1748.9	1733.7	1725.1	4.48	5.28	3.81	-30.7	-36.7	-38.8	0.32		
13.0	61.31	1781.5	1764.4	1756.6	3.80	4.93	3.17	-30.7	-35.5	-38.0	0.38		
13.5	59.26	1811.9	1794.0	1786.8	3.21	4.41	2.51	-31.5	-37.7	-40.8	0.32		
14.0	57.09	1839.9	1822.5	1815.0	2.87	3.86	1.91	-32.9	-35.5	-43.3	0.32		
14.5	54.02	1866.0	1849.5	1841.3	2.67	3.39	1.44	-34.9	-36.1	-43.8	0.26		
15.0	50.43	1890.8	1874.8	1866.0	2.45	3.01	1.06	-37.8	-34.6	-44.3	0.26		
15.5	47.36	1914.3	1898.4	1889.5	2.15	2.68	0.67	-41.7	-34.2	-47.6	0.26		
16.0	44.42	1936.8	1920.6	1912.1	1.77	2.38	0.19	-40.6	-33.1	-43.9	0.19		
16.5	42.11	1958.3	1941.7	1933.4	1.36	2.12	-0.32	-37.4	-31.7	-44.7	0.06		
17.0	39.94	1978.5	1961.7	1953.7	0.97	1.83	-0.76	-36.1	-31.1	-43.4	-0.06		
17.5	37.89	1997.5	1980.6	1972.6	0.64	1.47	-1.17	-35.0	-31.7	-43.8	-0.13		
18.0	35.71	2015.3	1998.5	1990.3	0.31	1.10	-1.56	-35.8	-33.1	-48.8	-0.19		
18.5	33.54	2032.1	2015.2	2006.8	0.01	0.77	-1.94	-35.3	-34.1	-44.0	-0.32		
19.5	29.70	2062.7	2045.8	2037.1	-0.36	0.18	-2.69	-33.3	-30.0	-45.4	-0.51		
20.0	27.90	2076.8	2059.8	2050.8	-0.48	-0.10	-3.03	-33.2	-36.0	-45.0	-0.58		