

Voltage Controlled Oscillator

ROS-ED10521/1

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			
0.1	17.88	1294.2	1290.2	1285.8	-0.82	-1.12	-1.62	-31.5	-23.6	-28.8	0.06	1	-90
0.3	16.62	1296.3	1292.3	1287.9	-0.83	-1.13	-1.61	-31.5	-24.1	-29.2	0.00	10	-112
0.4	15.73	1298.2	1294.2	1289.8	-0.85	-1.15	-1.61	-31.4	-24.7	-29.2	0.03	100	-132
0.5	14.87	1300.0	1296.1	1291.6	-0.88	-1.16	-1.63	-31.3	-25.3	-29.6	0.06	1000	-148
0.6	14.11	1301.8	1297.8	1293.3	-0.91	-1.16	-1.64	-31.5	-25.9	-29.5	0.10		
0.8	13.48	1303.5	1299.5	1295.0	-0.93	-1.17	-1.66	-31.1	-26.4	-29.8	0.09		
0.9	13.17	1305.2	1301.2	1296.6	-0.95	-1.18	-1.67	-30.6	-26.3	-29.1	0.13		
1.0	12.57	1306.8	1302.7	1298.1	-0.96	-1.18	-1.68	-30.4	-26.3	-29.6	0.16		
1.1	12.22	1308.3	1304.3	1299.6	-1.00	-1.18	-1.68	-30.4	-27.0	-29.5	0.16		
1.3	11.89	1309.8	1305.8	1301.1	-1.00	-1.18	-1.68	-30.3	-27.3	-29.7	0.20		
1.4	11.63	1311.3	1307.2	1302.5	-0.98	-1.17	-1.69	-30.3	-27.5	-29.5	0.20		
1.5	11.23	1312.7	1308.6	1303.9	-0.99	-1.17	-1.69	-30.0	-27.7	-29.8	0.23		
1.6	10.87	1314.1	1310.0	1305.3	-1.00	-1.17	-1.69	-30.3	-28.1	-29.7	0.23		
1.8	10.62	1315.5	1311.3	1306.6	-1.02	-1.16	-1.69	-30.1	-28.0	-29.7	0.26		
1.9	10.56	1316.9	1312.6	1307.9	-1.04	-1.15	-1.69	-29.8	-27.9	-29.8	0.26		
2.0	10.35	1318.3	1313.9	1309.2	-1.06	-1.15	-1.69	-30.0	-28.3	-30.1	0.26		
2.1	10.48	1319.7	1315.2	1310.5	-1.07	-1.16	-1.68	-29.8	-29.2	-29.8	0.26		
2.3	10.37	1321.0	1316.5	1311.7	-1.24	-1.16	-1.68	-29.3	-29.5	-30.1	0.31		
2.4	10.30	1322.3	1317.8	1312.9	-1.13	-1.17	-1.67	-29.7	-30.1	-30.4	0.34		
2.5	10.30	1323.6	1319.1	1314.2	-1.13	-1.17	-1.67	-29.0	-30.7	-30.1	0.35		
2.6	9.99	1324.9	1320.3	1315.4	-1.14	-1.17	-1.66	-29.7	-31.2	-30.1	0.36		
2.8	10.02	1326.2	1321.6	1316.6	-1.15	-1.17	-1.66	-29.5	-31.5	-30.1	0.35		
2.9	10.00	1327.5	1322.9	1317.8	-1.15	-1.17	-1.66	-29.5	-31.8	-30.6	0.38		
3.0	9.81	1328.8	1324.1	1319.0	-1.16	-1.17	-1.66	-29.7	-32.3	-30.4	0.36		
3.1	9.85	1330.0	1325.3	1320.1	-1.17	-1.17	-1.67	-29.5	-32.4	-30.4	0.40		
3.3	9.68	1331.3	1326.5	1321.3	-1.18	-1.18	-1.66	-29.4	-32.6	-30.2	0.43		
3.4	9.81	1332.6	1327.7	1322.5	-1.18	-1.17	-1.67	-29.3	-32.9	-30.5	0.43		
3.5	9.66	1333.8	1329.0	1323.7	-1.19	-1.18	-1.67	-29.6	-32.9	-30.4	0.42		
3.6	9.62	1335.0	1330.2	1324.9	-1.20	-1.18	-1.67	-29.7	-33.2	-30.6	0.43		
3.8	9.68	1336.3	1331.4	1326.1	-1.20	-1.19	-1.68	-29.4	-33.4	-30.6	0.43		
3.9	9.63	1337.5	1332.6	1327.2	-1.20	-1.18	-1.68	-29.3	-33.0	-30.7	0.43		
4.0	9.44	1338.7	1333.7	1328.4	-1.21	-1.19	-1.68	-29.4	-33.0	-30.6	0.46		
4.1	9.68	1340.0	1335.0	1329.6	-1.22	-1.20	-1.69	-29.2	-33.4	-30.8	0.49		
4.3	9.62	1341.2	1336.2	1330.8	-1.23	-1.20	-1.69	-29.5	-33.4	-31.1	0.48		
4.4	9.50	1342.4	1337.3	1331.9	-1.24	-1.21	-1.70	-29.3	-33.6	-31.2	0.49		
4.5	9.62	1343.6	1338.6	1333.1	-1.25	-1.21	-1.70	-28.9	-33.5	-31.2	0.48		
4.6	9.65	1344.9	1339.8	1334.3	-1.27	-1.22	-1.71	-29.4	-32.5	-31.2	0.49		
4.8	9.66	1346.2	1341.0	1335.5	-1.29	-1.23	-1.71	-29.3	-33.4	-31.3	0.49		
4.9	9.63	1347.4	1342.2	1336.7	-1.31	-1.25	-1.72	-29.3	-33.0	-31.5	0.52		
5.0	9.70	1348.7	1343.4	1337.9	-1.31	-1.25	-1.72	-28.8	-33.9	-31.5	0.54		
5.1	9.78	1349.9	1344.6	1339.1	-1.36	-1.27	-1.74	-29.1	-34.0	-31.5	0.55		
5.3	9.84	1351.2	1345.8	1340.2	-1.51	-1.29	-1.75	-29.1	-34.0	-31.3	0.54		
5.4	10.10	1352.5	1347.1	1341.4	-1.42	-1.30	-1.76	-28.9	-34.1	-31.7	0.56		
5.5	9.98	1353.8	1348.3	1342.7	-1.46	-1.31	-1.77	-28.7	-34.0	-31.8	0.56		
5.6	9.86	1355.1	1349.6	1343.9	-1.49	-1.32	-1.79	-29.0	-33.8	-31.6	0.59		
5.8	10.11	1356.4	1350.8	1345.1	-1.59	-1.34	-1.80	-29.1	-33.8	-31.9	0.58		
5.9	10.12	1357.6	1352.1	1346.3	-1.58	-1.36	-1.82	-28.7	-33.0	-32.0	0.59		
6.0	10.16	1358.92	1353.38	1347.56	-1.55	-1.36	-1.82	-28.9	-33.0	-32.0	0.63		