

Voltage Controlled Oscillator

ROS-ED10499A/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	29.00	1264.6	1255.2	1245.7	-1.37	0.12	0.18	-23.5	-37.9	-40.8	0.17	1	-85
0.3	26.91	1267.9	1258.6	1249.2	-1.28	0.21	0.28	-23.4	-38.0	-39.4	0.23	10	-109
0.4	25.20	1270.9	1261.7	1252.5	-1.24	0.27	0.36	-23.5	-37.7	-39.5	0.26	100	-129
0.5	23.86	1273.9	1264.7	1255.5	-1.17	0.34	0.45	-23.4	-38.0	-37.6	0.26	1000	-148
0.6	22.63	1276.7	1267.5	1258.4	-1.11	0.41	0.53	-23.2	-38.4	-37.9	0.29		
0.8	21.85	1279.3	1270.3	1261.2	-1.03	0.45	0.59	-23.2	-37.9	-37.8	0.32		
0.9	21.01	1281.9	1272.9	1263.8	-0.97	0.51	0.67	-23.1	-37.6	-37.5	0.29		
1.0	20.14	1284.4	1275.4	1266.3	-0.90	0.55	0.71	-23.0	-38.0	-37.2	0.32		
1.1	19.65	1286.8	1277.9	1268.8	-0.83	0.61	0.78	-22.9	-38.2	-37.2	0.38		
1.3	19.33	1289.2	1280.3	1271.3	-0.76	0.65	0.82	-22.7	-37.6	-36.7	0.38		
1.4	18.80	1291.5	1282.6	1273.7	-0.68	0.70	0.88	-22.6	-37.6	-37.1	0.38		
1.5	18.26	1293.8	1284.9	1276.0	-0.61	0.75	0.92	-22.7	-37.6	-37.0	0.42		
1.6	17.94	1296.0	1287.2	1278.3	-0.54	0.80	0.98	-22.5	-38.5	-36.8	0.45		
1.8	17.70	1298.3	1289.4	1280.5	-0.46	0.85	1.03	-22.6	-37.1	-36.6	0.47		
1.9	17.49	1300.4	1291.6	1282.7	-0.37	0.91	1.08	-22.5	-38.0	-36.8	0.51		
2.0	17.31	1302.6	1293.7	1284.8	-0.28	0.96	1.13	-22.4	-38.2	-37.1	0.56		
2.1	17.56	1304.7	1295.9	1286.9	-0.19	1.03	1.18	-22.5	-38.3	-36.7	0.58		
2.3	17.16	1306.8	1298.1	1289.0	-0.10	1.10	1.24	-22.4	-37.6	-37.1	0.63		
2.4	17.02	1308.9	1300.2	1291.1	-0.01	1.18	1.29	-22.1	-37.0	-35.8	0.63		
2.5	16.69	1310.9	1302.3	1293.1	0.09	1.26	1.35	-22.2	-36.7	-35.7	0.64		
2.6	16.18	1312.9	1304.3	1295.1	0.18	1.34	1.41	-22.1	-36.6	-35.7	0.67		
2.8	16.20	1315.0	1306.3	1297.2	0.27	1.42	1.47	-22.2	-36.7	-35.7	0.69		
2.9	16.01	1317.0	1308.3	1299.2	0.37	1.50	1.53	-22.0	-36.5	-35.9	0.69		
3.0	16.15	1319.0	1310.3	1301.2	0.45	1.58	1.61	-21.9	-35.8	-35.9	0.76		
3.1	15.80	1321.0	1312.3	1303.1	0.54	1.67	1.68	-22.1	-36.6	-36.0	0.79		
3.3	15.76	1323.0	1314.3	1305.1	0.63	1.75	1.75	-22.1	-37.3	-35.9	0.82		
3.4	15.84	1325.0	1316.3	1307.1	0.72	1.84	1.83	-22.1	-36.9	-35.8	0.82		
3.5	15.74	1327.0	1318.2	1309.0	0.80	1.92	1.91	-21.9	-36.4	-36.1	0.89		
3.6	15.71	1329.0	1320.2	1311.0	0.89	2.01	1.99	-22.0	-37.0	-36.3	0.89		
3.8	15.68	1331.0	1322.2	1312.9	0.97	2.09	2.08	-22.0	-37.6	-36.5	0.89		
3.9	15.66	1333.0	1324.1	1314.9	1.06	2.17	2.16	-22.1	-37.6	-36.5	0.93		
4.0	15.62	1335.0	1326.1	1316.8	1.15	2.25	2.25	-21.9	-37.0	-36.3	0.93		
4.1	15.76	1337.0	1328.0	1318.8	1.25	2.34	2.32	-21.9	-37.3	-36.7	0.97		
4.3	15.52	1339.0	1330.0	1320.7	1.34	2.42	2.41	-22.0	-37.8	-36.6	1.00		
4.4	15.44	1340.9	1331.9	1322.6	1.43	2.50	2.48	-22.0	-37.7	-36.9	1.01		
4.5	15.74	1342.9	1333.9	1324.6	1.51	2.57	2.57	-22.1	-38.0	-36.7	1.07		
4.6	15.74	1345.0	1335.8	1326.5	1.60	2.65	2.65	-21.9	-37.9	-36.8	1.11		
4.8	15.78	1346.9	1337.8	1328.5	1.68	2.73	2.73	-22.0	-38.2	-37.2	1.09		
4.9	15.68	1349.0	1339.8	1330.4	1.77	2.80	2.80	-22.0	-37.8	-37.4	1.12		
5.0	15.87	1351.0	1341.8	1332.4	1.85	2.87	2.88	-22.0	-37.9	-37.5	1.14		
5.1	15.91	1353.0	1343.8	1334.4	1.94	2.94	2.96	-22.0	-37.8	-37.0	1.17		
5.3	15.74	1355.1	1345.7	1336.4	2.02	3.01	3.03	-22.1	-37.6	-36.9	1.19		
5.4	16.18	1357.1	1347.7	1338.4	2.11	3.08	3.11	-22.0	-37.7	-37.7	1.20		
5.5	16.29	1359.2	1349.8	1340.5	2.20	3.14	3.19	-22.0	-38.3	-37.5	1.29		
5.6	16.38	1361.2	1351.8	1342.5	2.29	3.21	3.26	-22.1	-38.0	-37.5	1.31		
5.8	16.82	1363.3	1353.9	1344.5	2.37	3.28	3.34	-22.2	-37.9	-38.4	1.36		
5.9	17.00	1365.5	1356.1	1346.6	2.47	3.36	3.41	-22.2	-37.9	-37.9	1.36		
6.0	17.02	1367.58	1358.18	1348.62	2.56	3.46	3.50	-22.2	-37.9	-37.9	1.36		