

Voltage Controlled Oscillator

ROS-ED10499/1

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	35.66	1258.3	1249.8	1242.8	-0.18	0.25	0.27	-18.9	-41.3	-33.7	0.32	1	-85
0.3	32.91	1262.1	1253.9	1247.0	-0.11	0.34	0.37	-18.7	-40.4	-34.4	0.36	10	-109
0.4	30.90	1265.8	1257.8	1250.9	-0.02	0.48	0.50	-18.6	-40.6	-34.3	0.42	100	-129
0.5	29.09	1269.4	1261.4	1254.6	0.07	0.55	0.58	-18.7	-40.0	-34.6	0.49	1000	-145
0.6	27.63	1272.7	1264.9	1258.1	0.15	0.65	0.73	-18.6	-39.8	-35.1	0.51		
0.8	26.38	1276.0	1268.2	1261.4	0.23	0.74	0.80	-18.5	-39.3	-35.2	0.58		
0.9	25.63	1279.1	1271.4	1264.6	0.29	0.83	0.91	-18.5	-39.3	-35.3	0.64		
1.0	24.53	1282.1	1274.5	1267.7	0.39	0.92	1.00	-18.5	-40.1	-35.7	0.64		
1.1	23.86	1285.1	1277.4	1270.7	0.49	1.02	1.09	-18.5	-39.5	-36.1	0.74		
1.3	23.09	1287.9	1280.3	1273.5	0.47	1.09	1.18	-18.6	-39.7	-36.0	0.77		
1.4	22.48	1290.7	1283.1	1276.3	0.58	1.19	1.27	-18.6	-39.8	-36.1	0.80		
1.5	21.84	1293.4	1285.9	1279.0	0.70	1.29	1.34	-18.6	-39.8	-36.6	0.86		
1.6	21.47	1296.1	1288.6	1281.7	0.80	1.28	1.44	-18.5	-39.1	-36.1	0.93		
1.8	21.02	1298.7	1291.2	1284.3	0.85	1.38	1.54	-18.5	-40.3	-36.4	0.96		
1.9	20.68	1301.3	1293.8	1286.9	0.95	1.51	1.64	-18.5	-40.0	-36.9	1.01		
2.0	20.34	1303.8	1296.3	1289.4	0.99	1.61	1.62	-18.6	-40.0	-36.4	1.07		
2.1	19.96	1306.3	1298.8	1291.8	1.08	1.66	1.72	-18.5	-39.5	-36.8	1.11		
2.3	19.65	1308.8	1301.3	1294.3	1.10	1.75	1.85	-18.5	-38.0	-36.2	1.17		
2.4	19.39	1311.2	1303.7	1296.7	1.18	1.80	1.94	-18.4	-38.5	-36.8	1.17		
2.5	19.15	1313.6	1306.1	1299.0	1.20	1.89	1.99	-18.4	-38.7	-36.7	1.23		
2.6	18.94	1316.0	1308.4	1301.4	1.26	1.92	2.08	-18.5	-39.1	-36.9	1.25		
2.8	18.62	1318.4	1310.8	1303.7	1.30	1.99	2.13	-18.6	-39.0	-36.9	1.29		
2.9	18.58	1320.7	1313.1	1306.0	1.38	2.01	2.21	-18.5	-39.3	-36.9	1.32		
3.0	18.40	1323.1	1315.4	1308.3	1.43	2.08	2.24	-18.6	-38.7	-37.7	1.35		
3.1	18.26	1325.4	1317.7	1310.5	1.50	2.11	2.32	-18.7	-38.5	-37.9	1.39		
3.3	18.22	1327.7	1320.0	1312.8	1.52	2.18	2.34	-18.7	-39.0	-37.3	1.42		
3.4	18.12	1330.1	1322.2	1315.0	1.59	2.25	2.41	-18.8	-39.2	-37.4	1.45		
3.5	18.09	1332.3	1324.5	1317.2	1.67	2.30	2.48	-18.9	-39.4	-37.9	1.49		
3.6	17.86	1334.6	1326.7	1319.4	1.70	2.37	2.51	-18.9	-39.4	-38.2	1.52		
3.8	17.92	1336.9	1329.0	1321.6	1.78	2.40	2.57	-19.1	-39.5	-38.6	1.55		
3.9	17.76	1339.2	1331.2	1323.7	1.88	2.47	2.62	-19.2	-38.9	-38.8	1.55		
4.0	17.82	1341.5	1333.4	1325.9	1.97	2.50	2.69	-19.2	-39.6	-39.2	1.61		
4.1	17.84	1343.8	1335.6	1328.1	2.01	2.58	2.71	-19.3	-39.0	-39.3	1.61		
4.3	17.76	1346.1	1337.8	1330.3	2.09	2.68	2.78	-19.3	-39.5	-39.8	1.65		
4.4	17.70	1348.4	1340.1	1332.4	2.24	2.76	2.86	-19.5	-39.9	-39.8	1.71		
4.5	17.94	1350.7	1342.3	1334.6	2.34	2.85	2.89	-19.5	-39.8	-40.1	1.75		
4.6	17.71	1353.0	1344.5	1336.7	2.42	2.88	2.97	-19.5	-39.5	-40.6	1.79		
4.8	17.91	1355.3	1346.8	1338.8	2.52	2.97	3.07	-19.6	-39.6	-40.1	1.78		
4.9	17.74	1357.6	1349.0	1341.0	2.72	3.13	3.15	-19.7	-39.9	-39.7	1.78		
5.0	17.93	1360.0	1351.2	1343.1	2.82	3.23	3.19	-19.7	-39.9	-41.3	1.82		
5.1	17.83	1362.3	1353.4	1345.3	2.93	3.30	3.28	-19.8	-39.8	-40.9	1.85		
5.3	17.87	1364.6	1355.7	1347.4	2.97	3.40	3.37	-19.9	-39.6	-41.4	1.84		
5.4	18.01	1367.0	1357.9	1349.6	3.08	3.61	3.53	-19.9	-40.2	-40.9	1.84		
5.5	18.02	1369.3	1360.2	1351.7	3.19	3.71	3.62	-20.1	-40.1	-41.1	1.84		
5.6	17.95	1371.7	1362.4	1353.8	3.31	3.82	3.70	-20.1	-39.9	-40.8	1.82		
5.8	17.92	1374.1	1364.7	1356.0	3.47	3.87	3.80	-20.2	-40.4	-41.3	1.79		
5.9	18.03	1376.4	1366.9	1358.1	3.58	3.98	4.00	-20.3	-40.6	-41.4	1.77		
6.0	17.98	1378.82	1369.17	1360.22	3.72	4.11	4.11	-20.4	-40.4	-41.1	1.72		