

Voltage Controlled Oscillator

ROS-ED9055/1

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			
0.2	19.24	1318.7	1312.9	1307.9	3.82	4.90	5.06	-20.0	-28.5	-47.0	0.04	1	-82
0.3	18.77	1321.4	1315.7	1310.7	3.75	4.86	5.04	-20.2	-28.5	-48.2	0.02	10	-107
0.5	18.75	1324.3	1318.6	1313.5	3.65	4.79	4.97	-20.5	-28.3	-47.8	0.09	100	-127
0.6	19.56	1327.4	1321.5	1316.4	3.52	4.69	4.89	-21.0	-28.0	-48.2	0.22	1000	-143
0.8	20.44	1330.6	1324.6	1319.3	3.42	4.59	4.80	-21.7	-27.7	-46.5	0.37		
0.9	21.21	1333.9	1327.7	1322.3	3.33	4.50	4.70	-21.8	-27.3	-46.3	0.53		
1.1	22.26	1337.4	1331.1	1325.5	3.24	4.41	4.62	-22.5	-27.2	-45.5	0.71		
1.2	23.59	1341.0	1334.6	1328.9	3.23	4.34	4.56	-22.7	-26.8	-45.0	0.85		
1.4	24.53	1344.9	1338.3	1332.5	3.23	4.35	4.49	-22.7	-27.2	-45.5	0.98		
1.5	25.65	1348.9	1342.1	1336.2	3.27	4.46	4.46	-23.0	-27.7	-45.5	1.10		
1.7	26.89	1353.0	1346.2	1340.1	3.31	4.31	4.47	-23.0	-27.8	-44.7	1.17		
1.8	28.25	1357.4	1350.4	1344.1	3.29	4.36	4.49	-23.2	-28.0	-43.8	1.24		
2.0	29.32	1362.0	1354.8	1348.4	3.33	4.41	4.54	-23.0	-27.8	-44.3	1.29		
2.1	30.27	1366.7	1359.4	1352.8	3.37	4.46	4.60	-23.0	-27.7	-44.2	1.29		
2.3	31.51	1371.6	1364.1	1357.3	3.41	4.51	4.58	-23.2	-27.7	-43.3	1.30		
2.4	32.41	1376.6	1368.9	1362.1	3.43	4.55	4.62	-23.2	-27.7	-43.0	1.28		
2.6	32.43	1381.6	1373.8	1366.8	3.43	4.58	4.66	-23.5	-27.8	-43.0	1.21		
2.7	33.33	1386.8	1378.8	1371.7	3.43	4.58	4.71	-23.8	-28.0	-43.3	1.15		
2.9	33.66	1391.9	1383.9	1376.7	3.41	4.58	4.73	-23.8	-27.8	-42.5	1.09		
3.0	33.85	1397.1	1388.9	1381.7	3.37	4.57	4.73	-24.2	-28.2	-42.2	0.99		
3.2	33.36	1402.2	1393.9	1386.6	3.34	4.53	4.72	-24.2	-28.2	-42.7	0.88		
3.3	33.21	1406.8	1398.9	1391.6	3.62	4.51	4.72	-24.2	-28.2	-42.2	0.77		
3.5	32.66	1411.5	1403.8	1396.5	3.90	4.46	4.68	-24.2	-28.3	-42.3	0.63		
3.6	31.97	1416.1	1408.6	1401.2	4.11	4.41	4.65	-24.2	-28.5	-42.2	0.51		
3.8	30.99	1420.8	1413.3	1405.8	4.26	4.36	4.61	-24.2	-28.8	-42.2	0.38		
3.9	29.73	1425.3	1417.7	1410.3	4.33	4.32	4.58	-24.0	-28.7	-41.8	0.31		
4.1	28.68	1429.7	1422.0	1414.6	4.34	4.32	4.53	-24.0	-28.7	-41.8	0.17		
4.2	27.29	1433.9	1426.1	1418.7	4.27	4.30	4.49	-24.0	-29.0	-41.5	0.07		
4.4	25.98	1437.9	1430.0	1422.6	4.13	4.28	4.46	-23.8	-29.0	-41.5	0.00		
4.5	24.74	1441.7	1433.7	1426.3	4.00	4.25	4.47	-22.5	-29.2	-41.5	0.07		
4.7	23.21	1445.3	1437.2	1429.8	3.77	4.27	4.45	-22.3	-29.2	-41.3	0.12		
4.8	22.04	1448.7	1440.5	1433.1	3.50	4.24	4.41	-22.3	-29.3	-41.0	0.12		
5.0	20.42	1451.9	1443.6	1436.2	3.24	4.21	4.43	-22.2	-29.7	-41.3	0.12		
5.1	19.15	1454.8	1446.5	1439.0	3.03	4.23	4.40	-22.0	-29.7	-41.2	0.07		
5.3	17.75	1457.5	1449.1	1441.6	3.04	4.19	4.42	-22.2	-30.2	-41.7	0.00		
5.4	16.38	1459.9	1451.6	1444.0	3.00	4.21	4.37	-22.0	-30.3	-41.7	0.10		
5.6	15.04	1462.2	1453.8	1446.2	3.00	4.16	4.39	-22.0	-30.7	-40.8	0.22		
5.7	13.80	1464.2	1455.9	1448.2	2.94	4.17	4.34	-21.8	-30.8	-40.8	0.36		
5.9	12.63	1466.1	1457.8	1450.0	2.94	4.13	4.35	-21.8	-31.0	-41.3	0.51		
6.0	11.22	1467.8	1459.5	1451.7	2.88	4.13	4.35	-21.7	-31.0	-40.8	0.71		