

Voltage Controlled Oscillator

ROS-EDR5184

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			
1.0	38.29	1160.9	1163.4	1157.9	6.48	5.31	3.94	-15.2	-25.3	-33.1	-0.07	1	-82
2.0	28.86	1184.2	1192.2	1187.1	6.12	5.09	4.01	-16.0	-22.7	-32.8	-0.01	10	-105
3.0	26.43	1205.4	1218.7	1213.3	5.65	4.84	3.99	-17.0	-22.1	-32.0	0.02	100	-126
4.0	25.29	1225.5	1244.0	1238.4	5.48	4.83	4.02	-18.1	-21.5	-31.7	0.06	1000	-147
5.0	25.78	1245.2	1269.7	1263.8	5.21	4.71	4.03	-19.5	-20.1	-30.9	0.07		
6.0	26.59	1265.1	1296.3	1290.0	5.07	4.58	4.03	-21.3	-19.7	-29.4	0.09		
7.0	28.36	1285.4	1324.7	1318.0	4.81	4.44	4.03	-21.3	-19.4	-28.9	0.12		
8.0	30.31	1306.6	1355.0	1347.8	4.56	4.37	4.03	-20.0	-18.7	-29.3	0.14		
9.0	32.71	1328.7	1387.7	1380.2	4.38	4.50	4.12	-17.2	-18.9	-30.0	0.12		
10.0	34.89	1352.2	1422.6	1414.9	4.24	4.92	4.38	-14.7	-17.5	-30.8	0.04		
11.0	36.22	1377.0	1458.8	1450.9	4.15	5.64	4.96	-12.1	-18.3	-28.6	-0.06		
12.0	35.86	1403.2	1494.7	1486.5	4.20	6.35	5.59	-11.7	-19.1	-26.3	-0.14		
13.0	33.44	1430.5	1528.1	1520.1	4.46	6.67	6.00	-12.6	-20.9	-26.2	-0.30		
14.0	31.41	1458.4	1559.5	1551.4	4.94	6.60	6.03	-13.5	-20.7	-25.5	-0.46		
15.0	29.12	1486.2	1588.6	1580.6	5.52	6.58	6.08	-15.3	-21.6	-26.0	-0.56		
16.0	27.42	1513.2	1616.0	1608.1	5.97	6.59	6.08	-17.2	-22.0	-25.2	-0.59		
17.0	25.47	1538.6	1641.5	1633.3	6.28	6.67	6.21	-19.2	-23.2	-26.9	-0.57		
18.0	23.86	1563.0	1665.4	1656.9	6.25	6.61	6.25	-20.4	-23.2	-27.3	-0.52		
19.0	22.35	1586.1	1687.7	1678.9	6.22	6.61	6.29	-20.5	-22.6	-27.9	-0.45		
20.0	20.91	1608.2	1708.6	1699.5	6.27	6.68	6.36	-21.6	-22.2	-30.0	-0.39		
21.0	19.55	1629.0	1728.2	1718.6	6.26	6.71	6.42	-21.7	-22.4	-32.3	-0.35		
22.0	18.23	1648.8	1746.4	1736.5	6.36	6.76	6.52	-20.6	-22.6	-30.9	-0.34		
23.0	16.93	1667.6	1763.3	1753.3	6.31	6.88	6.58	-20.9	-22.6	-31.3	-0.35		
24.0	15.84	1685.5	1779.2	1769.0	6.31	6.92	6.66	-21.0	-23.4	-32.4	-0.36		
25.0	14.73	1702.4	1793.9	1783.6	6.31	6.96	6.75	-20.3	-23.4	-31.1	-0.40		
26.0	13.56	1718.4	1807.5	1797.0	6.37	7.01	6.79	-19.1	-24.1	-30.2	-0.42		