

Voltage Controlled Oscillator

ROS-ED10200/1

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	42.31	972.0	971.6	968.6	4.67	3.34	3.02	-13.3	-29.8	-34.0	0.07	1	-82
0.4	41.04	980.8	979.8	976.7	4.17	3.31	3.03	-13.3	-31.0	-33.1	0.10	10	-109
0.6	40.05	989.5	987.8	984.6	3.78	3.30	3.07	-13.1	-32.7	-32.2	0.24	100	-117
0.8	40.34	998.2	995.9	992.5	3.48	3.26	3.09	-12.7	-34.5	-31.6	0.32	1000	-144
1.0	41.31	1007.1	1004.2	1000.5	3.20	3.22	3.10	-12.4	-35.4	-31.3	0.40		
1.2	43.04	1016.2	1012.8	1008.8	2.93	3.12	3.06	-12.1	-37.2	-30.1	0.50		
1.4	45.34	1025.9	1021.8	1017.6	2.70	2.98	2.98	-11.8	-38.3	-29.5	0.55		
1.6	47.89	1035.9	1031.4	1026.8	2.56	2.88	2.88	-11.6	-38.8	-28.7	0.57		
1.8	49.35	1046.3	1041.3	1036.5	2.50	2.84	2.83	-11.4	-39.0	-28.0	0.55		
2.0	52.03	1057.1	1051.7	1046.6	2.50	2.86	2.85	-11.2	-37.8	-27.2	0.49		
2.2	53.54	1068.1	1062.4	1057.1	2.48	2.89	2.90	-10.8	-38.2	-26.4	0.25		
2.4	54.98	1079.6	1073.4	1067.8	2.40	2.87	2.94	-10.9	-37.5	-26.2	0.13		
2.6	57.43	1091.4	1084.9	1078.9	2.29	2.79	2.89	-10.9	-36.7	-25.7	0.11		
2.8	57.87	1103.3	1096.5	1090.4	2.25	2.71	2.81	-10.8	-35.3	-25.2	0.40		
3.0	58.14	1115.1	1108.1	1101.8	2.40	2.73	2.77	-10.7	-33.9	-25.1	0.70		
3.2	57.32	1126.2	1119.5	1113.1	2.51	2.90	2.86	-10.9	-34.8	-25.5	0.92		
3.4	54.40	1137.5	1130.4	1124.3	2.46	2.91	2.95	-11.1	-39.8	-25.6	1.37		
3.6	53.99	1148.3	1141.2	1135.0	2.42	2.89	2.96	-11.3	-42.0	-26.1	1.78		
3.8	51.74	1158.7	1151.6	1145.3	2.44	2.87	2.94	-11.5	-41.3	-26.1	2.16		
4.0	48.49	1168.0	1161.3	1155.1	2.49	2.89	2.94	-11.8	-40.2	-27.0	2.46		
4.2	43.57	1176.8	1170.0	1164.3	2.58	2.94	2.97	-12.0	-39.4	-27.5	2.80		
4.4	41.93	1185.1	1178.4	1172.7	2.72	3.04	3.03	-12.5	-38.5	-29.1	3.12		
4.6	38.87	1192.7	1186.1	1180.3	2.84	3.16	3.11	-12.9	-38.4	-33.4	3.29		
4.8	35.37	1199.7	1193.2	1187.5	2.93	3.27	3.23	-13.3	-37.7	-27.6	3.43		
5.0	32.60	1206.2	1199.7	1194.1	3.01	3.34	3.30	-13.8	-37.4	-26.9	3.58		
5.2	30.67	1212.0	1205.9	1200.0	3.07	3.40	3.35	-14.2	-36.8	-26.9	3.66		
5.4	26.53	1217.1	1211.2	1205.4	3.14	3.45	3.39	-14.7	-36.7	-28.0	3.38		
5.6	23.40	1221.7	1215.9	1210.4	3.22	3.49	3.41	-15.1	-36.8	-27.8	3.28		
5.8	21.30	1225.9	1220.1	1214.8	3.30	3.54	3.43	-15.5	-36.3	-27.8	3.12		
6.0	19.03	1229.7	1223.9	1218.5	3.38	3.58	3.45	-15.9	-35.8	-28.0	2.92		
6.2	17.07	1233.1	1227.3	1221.8	3.48	3.64	3.48	-16.3	-35.8	-28.0	2.67		
6.4	15.22	1236.1	1230.4	1224.8	3.58	3.69	3.51	-16.7	-35.7	-27.9	2.43		
6.6	13.53	1238.8	1233.1	1227.4	3.67	3.75	3.54	-17.0	-35.5	-28.3	2.13		
6.8	11.83	1241.2	1235.5	1229.6	3.76	3.80	3.56	-17.3	-35.6	-28.7	1.84		
7.0	10.47	1243.4	1237.5	1231.6	3.84	3.85	3.58	-17.5	-35.6	-28.8	1.51		
7.2	9.22	1245.3	1239.4	1233.3	3.91	3.90	3.61	-17.8	-35.6	-28.9	1.18		
7.4	8.13	1247.0	1241.0	1234.8	3.98	3.94	3.63	-17.9	-35.5	-29.0	0.94		
7.6	7.06	1248.4	1242.4	1236.1	4.04	3.98	3.65	-18.2	-35.1	-29.1	0.71		
7.8	6.25	1249.7	1243.7	1237.3	4.09	4.01	3.67	-18.3	-35.2	-29.1	0.53		
8.0	5.63	1250.9	1244.8	1238.3	4.13	4.04	3.68	-18.3	-35.1	-29.0	0.35		