

Voltage Controlled Oscillator

ROS-ED10200A/2

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	47.53	973.3	968.9	964.5	3.43	3.24	2.76	-14.8	-36.7	-26.7	0.60	1	-81
0.4	45.21	981.5	977.1	972.6	3.40	3.23	2.74	-14.8	-38.1	-26.2	0.38	10	-108
0.5	43.33	989.5	984.9	980.5	3.39	3.23	2.77	-14.8	-38.4	-25.8	0.26	100	-130
0.7	44.29	997.7	992.9	988.2	3.37	3.26	2.81	-14.9	-39.3	-25.7	0.10	1000	-150
0.9	44.44	1005.9	1000.9	996.0	3.30	3.25	2.82	-14.8	-39.8	-25.4	0.03		
1.1	44.94	1014.2	1008.9	1003.9	3.21	3.20	2.83	-14.7	-39.7	-25.0	0.14		
1.3	46.38	1022.8	1017.3	1012.1	3.09	3.10	2.76	-14.6	-38.9	-24.4	0.26		
1.4	48.06	1031.9	1025.9	1020.5	2.99	3.02	2.70	-14.7	-38.4	-24.2	0.37		
1.6	50.75	1041.2	1035.1	1029.3	2.96	2.98	2.65	-14.7	-38.0	-23.7	0.44		
1.8	51.37	1050.7	1044.3	1038.5	2.95	2.98	2.64	-14.6	-36.5	-23.1	0.46		
2.0	53.12	1060.7	1053.9	1047.8	2.98	3.01	2.68	-14.7	-36.3	-22.6	0.44		
2.2	56.03	1071.0	1064.0	1057.5	2.97	3.07	2.75	-14.8	-35.8	-22.4	0.33		
2.3	57.39	1081.6	1074.3	1067.7	2.90	3.06	2.80	-14.9	-35.4	-22.2	0.11		
2.5	58.52	1092.2	1084.8	1078.1	2.79	2.98	2.78	-15.0	-34.6	-21.9	0.15		
2.7	58.98	1103.0	1095.5	1088.7	2.73	2.90	2.71	-15.1	-34.0	-21.7	0.51		
2.9	58.67	1113.6	1106.0	1099.3	2.74	2.86	2.65	-15.3	-33.6	-21.8	0.93		
3.1	58.58	1124.2	1116.6	1109.8	2.79	2.92	2.66	-15.5	-33.7	-22.0	1.43		
3.2	57.23	1134.2	1126.9	1120.3	2.81	2.98	2.73	-15.8	-33.7	-22.0	1.90		
3.4	54.15	1143.9	1136.6	1130.2	2.81	3.00	2.78	-16.1	-33.7	-22.5	2.42		
3.6	52.02	1153.1	1146.0	1139.7	2.81	2.99	2.79	-16.5	-33.6	-22.9	2.85		
3.8	49.02	1161.7	1154.8	1148.8	2.84	2.99	2.79	-16.9	-34.3	-23.2	3.24		
4.0	45.76	1169.7	1163.0	1157.2	2.90	3.02	2.80	-17.3	-35.1	-23.9	3.54		
4.1	42.58	1177.2	1170.7	1165.0	2.99	3.08	2.84	-17.6	-36.5	-25.2	3.74		
4.3	39.34	1184.2	1177.8	1172.2	3.10	3.16	2.89	-18.2	-38.3	-27.6	3.87		
4.5	36.17	1190.6	1184.3	1178.8	3.22	3.26	2.96	-18.6	-40.6	-32.1	3.90		
4.7	33.22	1196.6	1190.3	1184.7	3.31	3.35	3.05	-19.0	-38.9	-26.0	3.85		
4.9	30.11	1202.0	1195.7	1190.1	3.39	3.41	3.12	-19.5	-36.2	-25.4	3.70		
5.0	27.50	1207.2	1200.6	1194.9	3.45	3.45	3.16	-19.9	-33.9	-25.8	3.50		
5.2	25.08	1211.7	1205.2	1199.2	3.48	3.48	3.18	-20.4	-31.4	-26.3	3.30		
5.4	22.83	1215.6	1209.3	1203.0	3.51	3.49	3.19	-20.8	-30.0	-26.7	2.99		
5.6	20.03	1219.1	1212.9	1206.4	3.53	3.49	3.19	-21.1	-29.4	-27.0	2.60		
5.8	17.17	1222.3	1216.0	1209.4	3.55	3.49	3.19	-21.4	-28.8	-26.8	2.30		
5.9	15.22	1225.1	1218.7	1212.1	3.56	3.49	3.18	-21.7	-28.6	-27.1	1.94		
6.1	13.43	1227.7	1221.1	1214.4	3.58	3.50	3.18	-21.9	-28.5	-27.4	1.69		
6.3	11.97	1229.9	1223.3	1216.5	3.60	3.50	3.17	-22.1	-28.2	-27.3	1.40		
6.5	10.72	1232.0	1225.2	1218.3	3.63	3.50	3.16	-22.3	-28.3	-27.6	1.13		
6.7	9.43	1233.8	1226.9	1219.9	3.65	3.51	3.16	-22.5	-28.2	-27.5	0.92		
6.8	8.58	1235.4	1228.4	1221.3	3.68	3.51	3.16	-22.8	-28.1	-27.6	0.71		
7.0	7.76	1236.9	1229.8	1222.6	3.70	3.52	3.15	-22.8	-28.0	-27.6	0.57		