

Voltage Controlled Oscillator

ROS-ED9827/1

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			
0.4	24.46	1075.0	1069.2	1063.5	-0.44	0.14	0.29	-27.2	-31.1	-32.2	0.29	1	-84
0.8	20.10	1082.3	1076.9	1071.3	-0.45	0.15	0.33	-26.5	-30.7	-32.6	0.32	10	-109
1.1	17.74	1088.9	1083.6	1078.2	-0.46	0.15	0.35	-26.2	-30.4	-33.5	0.40	100	-130
1.5	16.15	1095.0	1089.8	1084.4	-0.49	0.12	0.33	-26.2	-30.4	-34.6	0.46	1000	-147
1.9	15.13	1100.7	1095.5	1090.2	-0.50	0.10	0.29	-25.9	-30.2	-35.4	0.46		
2.3	14.36	1106.1	1101.0	1095.6	-0.49	0.09	0.27	-25.6	-30.2	-36.1	0.51		
2.7	13.82	1111.3	1106.2	1100.9	-0.45	0.10	0.27	-25.3	-30.1	-36.7	0.53		
3.0	13.45	1116.5	1111.3	1106.0	-0.40	0.14	0.27	-25.0	-29.9	-37.5	0.56		
3.4	13.12	1121.5	1116.3	1110.9	-0.35	0.20	0.31	-24.9	-29.6	-37.9	0.56		
3.8	12.97	1126.4	1121.2	1115.8	-0.30	0.25	0.36	-24.8	-29.5	-38.4	0.59		
4.2	12.83	1131.3	1126.1	1120.6	-0.26	0.30	0.41	-24.5	-29.6	-39.1	0.62		
4.6	12.75	1136.2	1131.0	1125.4	-0.23	0.33	0.45	-24.3	-29.2	-39.9	0.64		
4.9	12.73	1141.1	1135.8	1130.2	-0.22	0.36	0.49	-24.3	-28.9	-40.6	0.64		
5.3	12.75	1146.0	1140.6	1135.0	-0.20	0.38	0.52	-24.1	-28.6	-40.9	0.67		
5.7	12.80	1150.9	1145.5	1139.7	-0.18	0.39	0.54	-23.9	-28.2	-41.4	0.67		
6.1	12.88	1155.9	1150.4	1144.6	-0.16	0.41	0.55	-23.7	-27.9	-41.8	0.70		
6.5	12.94	1160.9	1155.3	1149.4	-0.13	0.43	0.56	-23.5	-27.6	-42.4	0.70		
6.8	13.01	1165.9	1160.3	1154.3	-0.08	0.46	0.58	-23.3	-27.4	-43.2	0.67		
7.2	13.04	1170.9	1165.2	1159.1	-0.03	0.50	0.61	-23.1	-27.2	-44.0	0.67		
7.6	12.94	1175.9	1170.1	1164.0	0.04	0.56	0.64	-23.0	-27.0	-45.6	0.64		
8.0	12.80	1180.8	1175.0	1168.7	0.11	0.62	0.69	-22.8	-26.7	-47.3	0.60		
8.4	12.43	1185.6	1179.7	1173.4	0.19	0.69	0.75	-22.7	-26.4	-49.1	0.52		
8.7	11.93	1190.2	1184.3	1177.9	0.26	0.77	0.81	-22.4	-26.2	-52.4	0.45		
9.1	11.36	1194.5	1188.6	1182.1	0.33	0.84	0.87	-22.1	-25.8	-48.5	0.37		
9.5	10.60	1198.6	1192.6	1186.1	0.39	0.90	0.92	-21.9	-25.5	-45.6	0.31		
9.9	9.84	1202.4	1196.3	1189.7	0.43	0.95	0.98	-21.6	-25.2	-44.9	0.27		
10.3	8.95	1205.8	1199.7	1193.1	0.47	1.00	1.03	-21.4	-24.9	-44.8	0.24		
10.6	8.08	1209.0	1202.8	1196.1	0.51	1.03	1.06	-21.3	-24.7	-45.0	0.24		
11.0	7.28	1211.8	1205.6	1198.8	0.54	1.06	1.09	-21.0	-24.4	-44.4	0.24		
11.4	6.51	1214.3	1208.1	1201.2	0.56	1.08	1.11	-20.9	-24.2	-43.8	0.24		
11.8	5.79	1216.6	1210.3	1203.3	0.59	1.10	1.13	-20.7	-24.0	-43.6	0.27		
12.2	5.20	1218.6	1212.2	1205.2	0.62	1.11	1.14	-20.6	-23.9	-43.4	0.33		
12.5	4.65	1220.5	1214.0	1206.9	0.64	1.13	1.15	-20.4	-23.7	-42.9	0.35		
12.9	4.14	1222.1	1215.6	1208.4	0.66	1.14	1.15	-20.3	-23.6	-42.5	0.39		
13.3	3.75	1223.6	1217.0	1209.8	0.68	1.15	1.16	-20.3	-23.5	-42.3	0.41		
13.7	3.42	1224.9	1218.3	1211.1	0.70	1.15	1.16	-20.2	-23.4	-42.2	0.41		
14.1	3.08	1226.2	1219.5	1212.2	0.72	1.16	1.17	-20.2	-23.3	-42.2	0.44		
14.4	2.87	1227.3	1220.6	1213.3	0.74	1.17	1.17	-20.1	-23.2	-41.8	0.41		
14.8	2.62	1228.3	1221.5	1214.2	0.75	1.18	1.17	-20.1	-23.2	-42.0	0.45		