

Voltage Controlled Oscillator

ROS-EDR5525/2

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			
0.5	15.44	1063.4	1057.9	1052.2	5.04	2.26	0.06	-21.4	-19.9	-24.3	0.01	1	-93
1.0	12.07	1069.7	1064.0	1058.1	4.93	2.37	0.30	-21.4	-21.5	-23.6	0.03	10	-114
1.5	10.57	1075.2	1069.3	1063.3	4.90	2.48	0.48	-21.4	-22.6	-22.9	0.04	100	-136
2.0	9.75	1080.3	1074.1	1068.1	4.92	2.60	0.65	-21.2	-23.5	-22.5	0.04	1000	-150
2.5	9.32	1085.1	1078.8	1072.6	4.94	2.70	0.79	-21.0	-24.6	-22.4	0.05		
3.0	9.11	1089.8	1083.4	1077.1	4.97	2.79	0.92	-20.9	-25.7	-22.0	0.05		
3.5	9.03	1094.5	1087.9	1081.5	5.02	2.89	1.02	-20.8	-26.5	-21.5	0.06		
4.0	9.11	1099.2	1092.4	1086.0	5.04	2.96	1.11	-20.8	-27.0	-21.0	0.06		
4.5	9.30	1104.0	1097.1	1090.5	5.06	3.04	1.20	-20.6	-27.3	-20.7	0.07		
5.0	9.58	1108.9	1101.9	1095.2	5.11	3.14	1.34	-20.4	-28.0	-20.6	0.07		
5.5	9.95	1114.0	1106.8	1100.1	5.16	3.20	1.44	-20.3	-28.8	-20.4	0.08		
6.0	10.43	1119.4	1112.1	1105.2	5.22	3.28	1.52	-20.1	-29.4	-20.3	0.09		
6.5	11.01	1125.1	1117.6	1110.6	5.26	3.37	1.60	-20.0	-29.6	-19.9	0.09		
7.0	11.59	1131.0	1123.4	1116.3	5.29	3.43	1.67	-19.8	-29.8	-19.4	0.09		
7.5	12.25	1137.3	1129.5	1122.3	5.36	3.47	1.73	-19.6	-30.6	-19.7	0.10		
8.0	12.88	1143.8	1135.9	1128.7	5.44	3.55	1.80	-19.5	-31.3	-19.6	0.10		
8.5	13.46	1150.6	1142.6	1135.4	5.51	3.63	1.85	-19.2	-31.6	-19.3	0.09		
9.0	13.98	1157.5	1149.6	1142.5	5.50	3.68	1.89	-19.0	-31.9	-19.9	0.07		
9.5	14.27	1164.6	1156.8	1149.8	5.52	3.68	1.93	-18.8	-32.6	-19.9	0.05		
10.0	14.50	1171.7	1164.0	1157.2	5.54	3.71	1.92	-18.7	-32.9	-21.0	0.01		
10.5	14.58	1178.9	1171.3	1164.8	5.53	3.71	1.87	-18.6	-33.5	-21.6	-0.02		
11.0	14.56	1186.0	1178.6	1172.5	5.52	3.69	1.80	-18.3	-34.3	-21.6	-0.06		