

Voltage Controlled Oscillator

ROS-1124-119+

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			
0.0	17.27	1086.6	1083.6	1080.2	6.30	6.28	6.07	-26.8	-32.9	-36.3	0.56	1	-90
0.3	15.55	1090.7	1088.0	1084.8	6.28	6.26	6.06	-26.9	-32.7	-36.2	0.41	10	-116
0.5	14.66	1094.5	1091.9	1088.8	6.27	6.24	6.05	-27.1	-32.3	-36.3	0.35	100	-138
0.8	14.17	1098.1	1095.5	1092.5	6.25	6.22	6.03	-27.3	-31.9	-36.3	0.32	1000	-157
1.0	13.91	1101.6	1099.1	1096.1	6.23	6.19	6.00	-27.5	-31.8	-36.3	0.31		
1.3	13.81	1105.1	1102.5	1099.6	6.22	6.17	5.98	-27.6	-31.7	-36.3	0.31		
1.5	13.81	1108.5	1106.0	1103.1	6.20	6.14	5.96	-27.6	-31.7	-36.2	0.31		
1.8	13.86	1111.9	1109.4	1106.6	6.19	6.12	5.93	-27.5	-32.0	-35.8	0.32		
2.0	13.94	1115.4	1112.9	1110.1	6.18	6.09	5.90	-27.5	-32.2	-35.7	0.35		
2.3	14.04	1118.8	1116.4	1113.6	6.16	6.07	5.88	-27.6	-32.3	-35.9	0.38		
2.5	14.13	1122.3	1119.9	1117.2	6.15	6.04	5.84	-27.7	-32.2	-36.0	0.41		
2.8	14.18	1125.8	1123.4	1120.7	6.14	6.01	5.81	-27.7	-32.1	-36.0	0.46		
3.0	14.20	1129.3	1127.0	1124.3	6.12	5.98	5.78	-27.7	-32.2	-35.9	0.51		
3.3	14.18	1132.8	1130.5	1127.9	6.10	5.95	5.74	-27.7	-32.1	-35.8	0.57		
3.5	14.15	1136.3	1134.1	1131.5	6.08	5.91	5.70	-27.7	-32.1	-35.6	0.63		
3.8	14.05	1139.8	1137.6	1135.1	6.06	5.88	5.66	-27.7	-32.3	-35.5	0.70		
4.0	13.94	1143.3	1141.1	1138.6	6.05	5.85	5.62	-27.8	-32.5	-35.7	0.76		
4.3	13.78	1146.7	1144.6	1142.2	6.03	5.82	5.58	-27.8	-32.6	-36.2	0.82		
4.5	13.59	1150.1	1148.0	1145.7	6.02	5.79	5.55	-27.9	-32.8	-36.5	0.88		
4.8	13.39	1153.5	1151.4	1149.1	6.00	5.77	5.52	-28.0	-32.9	-36.6	0.93		
5.0	13.19	1156.8	1154.8	1152.5	5.98	5.73	5.48	-28.1	-33.0	-36.3	0.98		
5.3	12.96	1160.1	1158.1	1155.8	5.95	5.70	5.44	-28.3	-33.0	-36.0	1.02		
5.5	12.72	1163.3	1161.3	1159.1	5.93	5.66	5.40	-28.4	-32.9	-35.8	1.05		
5.8	12.48	1166.5	1164.5	1162.3	5.92	5.64	5.37	-28.4	-32.9	-35.7	1.08		
6.0	12.23	1169.6	1167.6	1165.4	5.90	5.61	5.34	-28.4	-32.9	-35.7	1.10		
6.3	12.00	1172.6	1170.7	1168.5	5.89	5.59	5.31	-28.4	-32.9	-36.0	1.11		
6.5	11.76	1175.6	1173.7	1171.5	5.87	5.57	5.28	-28.5	-33.0	-36.3	1.12		
6.8	11.53	1178.6	1176.6	1174.4	5.84	5.54	5.26	-28.6	-33.0	-36.3	1.12		
7.0	11.53	1181.4	1179.5	1177.3	5.82	5.51	5.23	-28.7	-33.2	-36.2	1.12		

