

Voltage Controlled Oscillator

ROSA-ED9701/1

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			
0.1	29.10	1048.4	1043.6	1040.2	6.32	5.92	5.48	-37.4	-27.4	-51.8	2.79	1	-90
0.3	26.84	1051.4	1047.0	1043.8	6.57	6.11	5.62	-36.8	-27.0	-49.5	2.68	10	-115
0.4	24.78	1054.2	1050.1	1047.0	6.80	6.29	5.74	-36.7	-26.6	-49.4	2.55	100	-135
0.5	23.12	1056.9	1053.0	1050.0	7.00	6.42	5.85	-36.6	-26.3	-47.0	2.38	1000	-155
0.6	21.33	1059.5	1055.6	1052.7	7.18	6.54	5.93	-36.2	-25.9	-45.6	2.16		
0.8	19.92	1061.9	1058.1	1055.1	7.31	6.64	5.99	-35.7	-25.7	-44.2	1.88		
0.9	18.54	1064.2	1060.4	1057.4	7.42	6.69	6.05	-35.9	-25.5	-43.7	1.59		
1.0	16.96	1066.3	1062.5	1059.4	7.48	6.74	6.08	-35.7	-25.3	-41.9	1.27		
1.1	15.78	1068.3	1064.5	1061.3	7.50	6.75	6.09	-36.0	-25.1	-41.4	0.99		
1.3	14.70	1070.2	1066.4	1063.1	7.49	6.75	6.10	-35.8	-24.8	-40.7	0.79		
1.4	14.18	1072.0	1068.1	1064.8	7.49	6.76	6.11	-35.7	-24.7	-39.8	0.64		
1.5	13.50	1073.7	1069.8	1066.5	7.48	6.76	6.11	-35.8	-24.5	-39.8	0.54		
1.6	13.01	1075.3	1071.4	1068.1	7.46	6.75	6.12	-36.3	-24.4	-38.7	0.47		
1.8	12.62	1076.8	1073.0	1069.7	7.43	6.75	6.12	-36.1	-24.2	-38.6	0.39		
1.9	12.32	1078.4	1074.6	1071.2	7.43	6.74	6.11	-36.4	-24.1	-38.3	0.35		
2.0	11.84	1079.8	1076.0	1072.7	7.41	6.73	6.12	-36.7	-23.9	-37.8	0.28		
2.1	11.49	1081.2	1077.5	1074.1	7.38	6.71	6.11	-36.9	-23.8	-37.6	0.26		
2.3	11.23	1082.5	1078.9	1075.5	7.37	6.72	6.10	-36.5	-23.9	-37.4	0.28		
2.4	10.79	1083.9	1080.2	1076.9	7.34	6.69	6.08	-37.0	-23.7	-36.8	0.26		
2.5	10.58	1085.1	1081.6	1078.2	7.31	6.69	6.10	-37.4	-23.8	-37.1	0.25		
2.6	10.22	1086.3	1082.8	1079.5	7.29	6.69	6.09	-37.2	-23.6	-36.9	0.29		
2.8	9.87	1087.5	1084.1	1080.8	7.29	6.67	6.09	-37.1	-23.6	-36.7	0.30		
2.9	9.54	1088.7	1085.3	1082.0	7.26	6.65	6.09	-37.3	-23.6	-36.4	0.29		
3.0	9.22	1089.8	1086.4	1083.2	7.25	6.64	6.10	-37.6	-23.7	-36.5	0.33		
3.1	9.02	1090.9	1087.5	1084.3	7.23	6.66	6.10	-37.7	-23.7	-36.3	0.34		
3.3	8.72	1091.9	1088.6	1085.5	7.22	6.65	6.09	-37.3	-23.7	-36.5	0.36		
3.4	8.29	1092.9	1089.7	1086.5	7.23	6.64	6.09	-37.6	-23.8	-36.1	0.38		
3.5	8.03	1093.8	1090.7	1087.6	7.22	6.63	6.10	-37.5	-23.8	-36.1	0.38		
3.6	7.79	1094.8	1091.6	1088.6	7.21	6.63	6.11	-37.5	-23.9	-36.1	0.40		
3.8	7.47	1095.7	1092.6	1089.5	7.21	6.64	6.10	-37.5	-24.2	-36.4	0.43		
3.9	7.33	1096.5	1093.5	1090.5	7.20	6.64	6.10	-37.1	-24.2	-36.2	0.44		
4.0	7.02	1097.4	1094.4	1091.4	7.19	6.64	6.10	-37.1	-24.3	-36.3	0.47		
4.1	6.78	1098.2	1095.2	1092.2	7.20	6.64	6.10	-37.2	-24.4	-36.2	0.47		
4.3	6.53	1099.0	1096.0	1093.1	7.18	6.64	6.12	-36.9	-24.5	-36.3	0.49		
4.4	6.34	1099.8	1096.8	1093.9	7.15	6.65	6.12	-37.1	-24.6	-35.9	0.50		
4.5	6.14	1100.6	1097.6	1094.7	7.10	6.67	6.12	-36.8	-24.6	-35.9	0.49		
4.6	5.96	1101.4	1098.3	1095.4	6.99	6.66	6.13	-37.0	-24.7	-36.3	0.52		
4.8	5.74	1102.3	1099.1	1096.2	6.78	6.66	6.13	-36.7	-24.9	-36.2	0.52		
4.9	5.52	1103.2	1099.7	1096.9	6.56	6.66	6.13	-36.9	-24.9	-36.2	0.50		
5.0	5.55	1104.0	1100.4	1097.6	6.33	6.65	6.15	-36.7	-25.2	-36.3	0.51		