

Voltage Controlled Oscillator

ROS-EDR5591

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			
0.3	32.14	1026.0	1019.8	1016.9	2.48	3.25	2.84	-13.0	-21.8	-33.4	-0.11	1	-87
0.5	32.22	1031.9	1027.8	1024.9	3.05	3.09	2.34	-13.2	-21.8	-32.7	-0.04	10	-111
0.8	23.60	1037.8	1033.7	1031.9	3.25	3.38	2.41	-12.7	-20.6	-33.2	-0.05	100	-131
1.0	23.00	1043.4	1039.5	1037.6	3.31	3.46	2.65	-12.6	-19.3	-33.3	-0.03	1000	-151
1.3	22.18	1048.8	1045.0	1043.1	3.28	3.48	2.72	-12.7	-18.6	-33.3	-0.02		
1.5	21.33	1054.0	1050.3	1048.4	3.31	3.44	2.85	-12.7	-17.9	-33.1	-0.01		
1.8	20.59	1059.1	1055.5	1053.6	3.30	3.47	2.94	-12.7	-17.8	-33.4	0.00		
2.0	20.20	1064.4	1060.5	1058.6	3.20	3.45	3.01	-12.9	-17.9	-33.5	0.01		
2.3	21.63	1069.4	1065.9	1063.6	3.44	3.43	3.04	-13.0	-18.0	-33.8	0.02		
2.5	19.17	1074.0	1070.7	1068.4	3.52	3.60	3.03	-12.8	-17.7	-34.4	0.02		
2.8	18.41	1078.6	1075.3	1073.3	3.54	3.66	2.94	-12.7	-17.6	-35.2	0.02		
3.0	18.21	1083.1	1079.9	1078.3	3.51	3.66	2.96	-12.7	-17.6	-35.3	0.02		
3.3	18.10	1087.7	1084.4	1082.8	3.40	3.64	3.01	-12.6	-17.5	-34.9	0.03		
3.5	18.00	1092.2	1088.9	1087.2	3.37	3.58	3.07	-13.2	-17.5	-34.8	0.04		
3.8	17.78	1096.6	1093.4	1091.6	3.37	3.58	3.14	-13.2	-17.5	-34.7	0.04		
4.0	17.59	1101.0	1097.8	1095.9	3.24	3.56	3.18	-13.4	-17.5	-34.8	0.04		
4.3	18.25	1106.0	1102.3	1100.3	3.29	3.45	3.21	-13.6	-17.6	-34.6	0.05		
4.5	19.53	1110.3	1107.2	1104.6	3.47	3.50	3.20	-13.6	-17.6	-34.8	0.04		
4.8	17.27	1114.6	1111.5	1108.9	3.52	3.61	3.18	-13.4	-17.5	-34.8	0.03		
5.0	17.06	1119.0	1115.8	1113.2	3.51	3.66	3.14	-13.3	-17.4	-35.0	0.02		
5.3	17.14	1123.4	1120.1	1117.6	3.46	3.69	3.09	-13.3	-17.4	-35.3	0.01		
5.5	17.20	1127.8	1124.4	1122.1	3.39	3.72	3.00	-13.3	-17.6	-35.5	0.00		
5.8	17.26	1132.3	1128.7	1126.9	3.31	3.71	2.95	-13.2	-17.8	-35.6	0.00		
6.0	17.36	1136.8	1133.0	1131.4	3.29	3.69	3.02	-13.1	-18.0	-35.4	0.00		
6.3	17.43	1141.3	1137.4	1135.8	3.23	3.69	3.04	-13.2	-18.1	-35.5	0.00		
6.5	17.74	1146.1	1141.8	1140.2	3.24	3.67	3.09	-13.3	-18.3	-36.1	0.00		
6.8	18.80	1150.7	1146.5	1144.7	3.34	3.68	3.13	-13.4	-18.4	-36.6	0.00		
7.0	18.20	1155.2	1151.1	1149.3	3.41	3.76	3.16	-13.4	-18.6	-36.8	0.00		