

Voltage Controlled Oscillator

ROS-EDR5590

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	32.33	980.0	976.2	972.2	2.18	3.27	2.93	-12.5	-23.1	-33.7	-0.10	1	-86
0.5	31.64	986.8	984.1	979.5	2.27	3.25	2.92	-12.6	-22.8	-33.3	-0.08	10	-109
0.8	25.37	993.7	990.4	987.3	2.05	3.64	2.83	-12.0	-22.0	-34.2	-0.07	100	-131
1.0	23.50	1000.1	996.3	993.2	2.38	3.75	3.16	-11.8	-21.5	-34.5	-0.07	1000	-150
1.3	22.78	1005.5	1002.0	998.9	2.60	3.65	3.20	-11.6	-20.7	-34.9	-0.06		
1.5	21.84	1010.8	1007.5	1004.5	2.71	3.70	3.14	-11.4	-20.3	-35.0	-0.05		
1.8	20.88	1015.9	1012.7	1009.8	2.75	3.72	3.17	-11.4	-19.8	-34.8	-0.04		
2.0	20.48	1020.9	1017.8	1015.0	2.71	3.63	3.18	-11.4	-19.5	-34.0	-0.02		
2.3	23.58	1025.9	1023.7	1020.1	2.75	3.43	3.11	-11.5	-19.1	-33.4	0.00		
2.5	19.62	1030.6	1028.6	1025.9	2.80	3.68	2.89	-11.2	-18.7	-34.1	-0.02		
2.8	18.66	1035.3	1033.3	1030.8	2.76	3.81	3.21	-11.2	-18.3	-34.2	-0.02		
3.0	18.59	1040.2	1037.9	1035.3	2.57	3.81	3.34	-11.1	-18.2	-34.6	-0.02		
3.3	18.52	1045.5	1042.5	1039.9	2.58	3.87	3.39	-11.2	-18.2	-34.7	-0.01		
3.5	18.39	1050.1	1047.1	1044.4	2.76	3.86	3.41	-11.3	-18.0	-34.6	-0.01		
3.8	18.27	1054.5	1051.7	1049.0	2.82	3.84	3.45	-11.4	-17.8	-34.6	0.00		
4.0	18.27	1059.0	1056.3	1053.5	2.84	3.72	3.43	-11.4	-17.7	-34.0	0.01		
4.3	18.68	1063.5	1061.0	1058.0	2.83	3.68	3.41	-11.5	-17.7	-34.0	0.02		
4.5	19.70	1068.0	1065.9	1062.5	2.83	3.78	3.41	-11.5	-17.8	-33.6	0.02		
4.8	17.98	1072.5	1070.4	1067.3	2.81	3.90	3.44	-11.4	-17.8	-33.3	0.01		
5.0	17.79	1077.0	1074.8	1071.8	2.77	3.96	3.57	-11.3	-17.8	-33.3	0.01		
5.3	17.84	1081.7	1079.3	1076.1	2.66	3.98	3.65	-11.3	-17.8	-33.4	0.00		
5.5	17.85	1086.6	1083.7	1080.5	2.72	4.02	3.71	-11.3	-17.9	-33.2	0.00		
5.8	17.82	1091.1	1088.2	1085.0	2.79	4.04	3.77	-11.3	-18.1	-33.2	-0.01		
6.0	17.80	1095.7	1092.6	1089.4	2.80	4.07	3.79	-11.4	-18.3	-33.0	-0.01		
6.3	17.88	1100.3	1097.1	1093.9	2.80	4.06	3.80	-11.5	-18.5	-33.4	-0.02		
6.5	18.92	1104.9	1101.8	1098.5	2.79	3.88	3.73	-11.5	-18.3	-32.7	0.00		
6.8	19.67	1109.6	1106.8	1103.2	2.77	3.96	3.55	-11.7	-20.2	-32.6	-0.03		
7.0	18.17	1114.3	1111.3	1108.4	2.72	4.09	3.52	-11.2	-20.4	-32.7	-0.03		