

Voltage Controlled Oscillator

ROS-ED10505/1

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			
0.3	13.60	1004.9	1000.3	996.1	4.03	4.38	4.44	-18.6	-26.3	-25.5	0.08	1	-90
0.5	11.62	1007.7	1003.2	999.1	4.03	4.40	4.47	-18.8	-26.1	-26.0	0.05	10	-112
0.8	10.33	1010.2	1005.7	1001.8	4.01	4.39	4.47	-19.0	-25.9	-26.0	0.05	100	-132
1.0	9.45	1012.5	1008.1	1004.2	3.99	4.39	4.49	-19.1	-25.7	-26.2	0.03	1000	-145
1.3	8.90	1014.6	1010.3	1006.4	4.00	4.38	4.48	-19.4	-25.5	-26.5	0.01		
1.5	8.34	1016.7	1012.4	1008.5	3.99	4.37	4.50	-19.6	-25.3	-26.7	0.00		
1.8	7.97	1018.7	1014.4	1010.5	3.99	4.39	4.49	-19.7	-25.2	-27.1	0.00		
2.0	7.65	1020.6	1016.3	1012.5	3.98	4.37	4.48	-20.0	-25.1	-27.1	0.00		
2.3	7.48	1022.4	1018.2	1014.3	3.97	4.39	4.50	-20.2	-25.0	-27.4	0.02		
2.5	7.22	1024.2	1020.0	1016.1	3.99	4.38	4.48	-20.4	-24.9	-27.6	0.03		
2.8	7.04	1026.0	1021.7	1017.9	3.98	4.37	4.50	-20.6	-24.8	-27.9	0.03		
3.0	6.96	1027.7	1023.5	1019.6	4.00	4.39	4.49	-20.9	-24.7	-28.1	0.03		
3.3	6.83	1029.4	1025.2	1021.4	4.01	4.38	4.49	-21.0	-24.6	-28.2	0.03		
3.5	6.75	1031.1	1026.9	1023.0	4.02	4.38	4.50	-21.3	-24.5	-28.5	0.03		
3.8	6.73	1032.8	1028.6	1024.7	4.03	4.40	4.50	-21.6	-24.4	-28.5	0.04		
4.0	6.59	1034.4	1030.2	1026.4	4.05	4.41	4.50	-21.8	-24.3	-28.8	0.04		
4.3	6.62	1036.1	1031.9	1028.0	4.06	4.42	4.52	-22.2	-24.2	-29.0	0.04		
4.5	6.52	1037.7	1033.5	1029.6	4.09	4.44	4.53	-22.3	-24.1	-29.2	0.05		
4.8	6.59	1039.4	1035.2	1031.3	4.11	4.46	4.54	-22.7	-24.1	-29.6	0.05		
5.0	6.58	1041.1	1036.8	1032.9	4.13	4.48	4.56	-23.0	-23.9	-29.8	0.06		
5.3	6.54	1042.7	1038.4	1034.5	4.16	4.50	4.57	-23.3	-23.9	-30.0	0.05		
5.5	6.58	1044.4	1040.1	1036.1	4.19	4.52	4.59	-23.5	-23.7	-30.2	0.05		
5.8	6.64	1046.0	1041.7	1037.8	4.23	4.55	4.61	-23.9	-23.7	-30.5	0.07		
6.0	6.68	1047.7	1043.4	1039.4	4.26	4.58	4.63	-24.1	-23.6	-30.7	0.05		
6.3	6.70	1049.4	1045.1	1041.1	4.29	4.61	4.66	-24.4	-23.5	-31.0	0.06		
6.5	6.63	1051.1	1046.7	1042.7	4.33	4.65	4.68	-24.8	-23.3	-31.2	0.06		
6.8	6.70	1052.7	1048.4	1044.4	4.36	4.67	4.71	-25.0	-23.2	-31.4	0.05		
7.0	6.63	1054.4	1050.1	1046.1	4.39	4.71	4.74	-25.2	-23.1	-31.4	0.05		
7.3	6.70	1056.1	1051.7	1047.7	4.43	4.75	4.77	-25.5	-23.0	-31.8	0.05		
7.5	6.64	1057.7	1053.4	1049.4	4.46	4.77	4.81	-25.9	-22.9	-31.9	0.04		
7.8	6.49	1059.4	1055.0	1051.0	4.48	4.81	4.84	-26.1	-22.7	-32.1	0.04		
8.0	6.47	1061.0	1056.6	1052.6	4.51	4.84	4.87	-26.3	-23.0	-32.5	0.04		
8.3	6.33	1062.6	1058.2	1054.2	4.53	4.87	4.90	-26.4	-23.0	-32.8	0.01		
8.5	6.27	1064.2	1059.8	1055.8	4.55	4.89	4.92	-26.8	-22.9	-32.8	0.01		
8.8	6.01	1065.7	1061.3	1057.3	4.57	4.91	4.95	-27.0	-22.8	-33.2	0.00		
9.0	5.77	1067.1	1062.7	1058.7	4.58	4.93	4.98	-27.1	-22.8	-33.3	0.01		
9.3	5.60	1068.5	1064.1	1060.1	4.61	4.95	5.00	-27.3	-22.7	-33.5	0.01		
9.5	5.34	1069.8	1065.5	1061.4	4.61	4.96	5.02	-27.5	-22.6	-33.5	0.03		
9.8	5.07	1071.1	1066.7	1062.7	4.62	4.97	5.03	-27.6	-22.6	-33.9	0.03		
10.0	4.82	1072.3	1067.9	1063.9	4.63	5.00	5.05	-27.7	-22.6	-33.9	0.03		