

Voltage Controlled Oscillator

ROS-ED9892/1

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	28.73	850.8	845.9	842.7	-4.26	-3.40	-3.25	-28.9	-40.7	-41.8	0.11	1	-83
0.3	27.92	854.2	849.4	846.1	-4.35	-3.36	-3.21	-29.7	-40.7	-41.1	0.11	10	-107
0.4	27.38	857.7	852.9	849.5	-4.37	-3.44	-3.16	-29.9	-40.7	-40.5	0.16	100	-127
0.5	27.25	861.1	856.3	852.9	-4.38	-3.43	-3.24	-30.0	-41.0	-40.3	0.18	1000	-145
0.6	27.05	864.5	859.6	856.2	-4.40	-3.46	-3.22	-30.5	-39.6	-41.3	0.20		
0.8	27.14	868.0	863.0	859.6	-4.42	-3.49	-3.24	-31.1	-39.8	-40.3	0.22		
0.9	27.60	871.5	866.5	862.9	-4.45	-3.50	-3.26	-31.9	-39.4	-41.1	0.24		
1.0	27.60	875.0	869.9	866.3	-4.50	-3.53	-3.26	-31.7	-39.7	-41.3	0.26		
1.1	28.36	878.6	873.5	869.8	-4.51	-3.57	-3.28	-32.3	-39.4	-41.4	0.29		
1.3	28.56	882.3	877.0	873.2	-4.54	-3.60	-3.32	-32.3	-39.2	-41.2	0.31		
1.4	29.18	886.0	880.7	876.8	-4.50	-3.61	-3.34	-32.0	-39.6	-42.6	0.37		
1.5	29.36	889.7	884.4	880.4	-4.51	-3.58	-3.35	-32.7	-38.9	-42.2	0.37		
1.6	29.80	893.5	888.1	884.0	-4.46	-3.59	-3.31	-32.5	-38.9	-43.9	0.40		
1.8	30.42	897.4	891.9	887.7	-4.44	-3.60	-3.32	-32.2	-39.5	-42.9	0.42		
1.9	30.76	901.3	895.7	891.4	-4.32	-3.54	-3.33	-32.0	-39.7	-42.8	0.44		
2.0	31.31	905.3	899.6	895.2	-4.24	-3.43	-3.27	-32.3	-39.6	-43.4	0.46		
2.1	31.54	909.3	903.6	899.1	-4.12	-3.34	-3.16	-31.8	-38.7	-41.5	0.46		
2.3	31.66	913.4	907.6	903.0	-4.01	-3.24	-3.08	-31.6	-38.7	-42.8	0.46		
2.4	32.19	917.5	911.6	906.9	-3.96	-3.19	-3.03	-31.4	-39.0	-41.9	0.48		
2.5	32.14	921.6	915.6	910.8	-3.86	-3.08	-2.92	-31.1	-38.8	-42.6	0.46		
2.6	32.55	925.7	919.7	914.8	-3.77	-2.97	-2.81	-30.9	-38.8	-41.5	0.49		
2.8	32.33	929.8	923.7	918.8	-3.69	-2.88	-2.69	-30.7	-38.6	-41.9	0.46		
2.9	32.74	933.9	927.8	922.8	-3.69	-2.80	-2.60	-30.7	-38.8	-42.0	0.46		
3.0	32.32	938.0	931.8	926.7	-3.60	-2.80	-2.59	-30.4	-37.4	-40.8	0.48		
3.1	32.19	942.1	935.9	930.7	-3.61	-2.80	-2.52	-30.0	-38.6	-40.4	0.46		
3.3	32.28	946.1	939.9	934.7	-3.58	-2.72	-2.52	-29.8	-38.7	-39.8	0.48		
3.4	31.81	950.1	943.9	938.6	-3.66	-2.69	-2.44	-29.8	-38.2	-39.6	0.43		
3.5	31.33	954.1	947.8	942.5	-3.55	-2.78	-2.44	-29.3	-38.5	-39.2	0.46		
3.6	31.14	958.0	951.7	946.3	-3.52	-2.76	-2.42	-29.1	-38.1	-39.1	0.46		
3.8	30.66	961.9	955.5	950.1	-3.48	-2.66	-2.50	-29.4	-38.6	-39.0	0.43		
3.9	30.18	965.7	959.3	953.8	-3.46	-2.64	-2.40	-29.4	-37.4	-37.9	0.46		
4.0	29.70	969.4	963.0	957.5	-3.57	-2.62	-2.37	-29.1	-37.3	-37.1	0.43		
4.1	29.33	973.1	966.7	961.1	-3.47	-2.58	-2.34	-29.0	-38.1	-37.3	0.46		
4.3	28.55	976.6	970.2	964.6	-3.44	-2.68	-2.33	-28.9	-37.6	-37.2	0.46		
4.4	27.90	980.1	973.7	968.1	-3.47	-2.59	-2.44	-28.8	-37.4	-36.8	0.48		
4.5	27.65	983.6	977.2	971.5	-3.60	-2.56	-2.40	-28.8	-37.2	-36.6	0.50		
4.6	26.75	986.9	980.5	974.8	-3.59	-2.60	-2.32	-28.7	-37.3	-36.4	0.50		
4.8	26.33	990.2	983.8	978.1	-3.60	-2.73	-2.35	-29.0	-36.5	-36.5	0.53		
4.9	25.54	993.4	987.0	981.3	-3.67	-2.73	-2.33	-28.9	-36.4	-35.9	0.57		
5.0	25.04	996.5	990.1	984.4	-3.69	-2.73	-2.47	-28.7	-36.3	-35.7	0.60		
5.1	24.20	999.5	993.2	987.4	-3.78	-2.81	-2.47	-28.8	-37.4	-35.1	0.60		
5.3	23.64	1002.5	996.1	990.3	-3.85	-2.83	-2.48	-28.9	-37.5	-35.1	0.65		
5.4	23.14	1005.4	999.0	993.2	-3.87	-2.91	-2.55	-29.2	-37.3	-34.9	0.68		
5.5	22.46	1008.2	1001.8	996.0	-3.96	-2.94	-2.57	-29.0	-37.6	-34.9	0.70		
5.6	21.78	1010.9	1004.5	998.7	-3.97	-3.01	-2.65	-28.9	-37.6	-34.6	0.74		
5.8	21.18	1013.6	1007.2	1001.3	-4.03	-3.03	-2.68	-29.1	-37.4	-34.8	0.76		
5.9	20.54	1016.1	1009.7	1003.8	-4.04	-3.11	-2.75	-29.0	-37.5	-34.4	0.82		
6.0	20.04	1018.61	1012.25	1006.32	-3.79	-3.12	-2.77	-28.9	-36.9	-34.4	0.82		