

Voltage Controlled Oscillator

ROS-ED9693/1

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			
0.2	18.80	843.1	840.3	836.9	-1.81	-1.04	-0.81	-28.1	-41.7	-45.6	0.16	1	-87
0.4	17.96	846.7	843.9	840.5	-1.69	-0.93	-0.68	-28.4	-41.5	-44.3	0.18	10	-112
0.6	17.60	850.2	847.4	844.0	-1.56	-0.81	-0.56	-29.0	-40.6	-44.1	0.22	100	-132
0.8	17.54	853.8	850.9	847.4	-1.42	-0.67	-0.43	-29.9	-40.3	-44.1	0.22	1000	-152
1.0	17.70	857.4	854.4	850.9	-1.28	-0.54	-0.30	-30.6	-39.8	-44.2	0.24		
1.2	18.36	861.2	858.1	854.5	-1.13	-0.39	-0.15	-31.1	-39.0	-43.9	0.26		
1.4	18.98	865.1	861.9	858.2	-0.98	-0.24	-0.01	-31.8	-38.6	-44.2	0.26		
1.6	19.79	869.1	865.9	862.1	-0.85	-0.09	0.15	-32.9	-37.9	-43.2	0.24		
1.8	20.51	873.4	870.0	866.1	-0.71	0.05	0.29	-33.7	-37.8	-43.5	0.22		
2.0	21.29	877.7	874.2	870.3	-0.59	0.18	0.43	-35.0	-36.6	-42.3	0.13		
2.2	21.95	882.2	878.6	874.5	-0.47	0.30	0.56	-35.9	-36.5	-43.4	0.07		
2.4	22.23	886.8	883.1	878.9	-0.37	0.40	0.67	-36.6	-36.0	-43.3	0.02		
2.6	22.45	891.3	887.5	883.4	-0.29	0.48	0.77	-36.7	-35.7	-43.3	0.15		
2.8	22.40	895.8	892.0	887.8	-0.22	0.56	0.84	-37.9	-35.3	-42.7	0.28		
3.0	22.11	900.3	896.5	892.2	-0.15	0.62	0.91	-36.8	-35.6	-41.8	0.42		
3.2	21.56	904.6	900.8	896.5	-0.08	0.69	0.96	-37.0	-35.5	-41.3	0.55		
3.4	21.05	908.8	905.0	900.7	0.02	0.76	1.02	-36.2	-35.8	-41.1	0.66		
3.6	20.19	912.9	909.0	904.8	0.12	0.85	1.08	-35.5	-35.7	-41.0	0.76		
3.8	19.26	916.7	912.9	908.6	0.23	0.94	1.15	-35.1	-35.6	-41.3	0.85		
4.0	18.07	920.3	916.5	912.2	0.34	1.03	1.23	-34.5	-35.7	-40.1	0.94		
4.2	16.87	923.7	919.9	915.6	0.46	1.13	1.31	-33.9	-35.6	-40.6	0.99		
4.4	15.66	926.8	923.0	918.8	0.55	1.23	1.39	-33.3	-35.6	-40.6	0.99		
4.6	14.22	929.6	925.8	921.6	0.65	1.32	1.46	-33.1	-35.8	-40.4	0.99		
4.8	12.88	932.2	928.4	924.2	0.72	1.40	1.54	-32.8	-35.8	-40.4	0.94		
5.0	11.58	934.5	930.7	926.6	0.80	1.46	1.60	-32.4	-35.7	-39.9	0.85		
5.2	10.31	936.5	932.8	928.6	0.85	1.52	1.66	-32.3	-36.2	-39.9	0.72		
5.4	9.08	938.3	934.6	930.4	0.89	1.56	1.69	-32.0	-35.4	-39.7	0.58		
5.6	7.93	939.9	936.2	932.0	0.93	1.60	1.72	-31.8	-35.6	-40.2	0.39		
5.8	6.89	941.3	937.6	933.4	0.96	1.62	1.75	-31.7	-35.6	-39.9	0.21		
6.0	5.93	942.5	938.7	934.5	0.98	1.64	1.77	-31.6	-35.3	-40.2	0.02		
6.2	5.10	943.5	939.8	935.5	1.01	1.66	1.79	-31.5	-35.6	-39.4	0.22		
6.4	4.32	944.4	940.6	936.4	1.03	1.68	1.80	-31.3	-35.2	-39.9	0.41		
6.6	3.65	945.1	941.4	937.1	1.04	1.69	1.80	-31.5	-35.6	-39.9	0.60		
6.8	3.12	945.7	942.0	937.7	1.05	1.69	1.81	-31.2	-35.5	-39.4	0.75		
7.0	2.72	946.2	942.5	938.2	1.06	1.71	1.82	-31.1	-35.6	-39.9	0.89		
7.2	2.37	946.7	943.0	938.7	1.07	1.72	1.82	-31.2	-35.1	-40.2	0.99		
7.4	2.04	947.1	943.4	939.1	1.08	1.72	1.82	-31.1	-35.3	-39.9	1.08		
7.6	1.74	947.5	943.8	939.5	1.08	1.72	1.82	-31.0	-35.8	-39.9	1.15		
7.8	1.63	947.8	944.1	939.8	1.09	1.73	1.83	-30.8	-35.4	-40.2	1.21		
8.0	1.48	948.1	944.4	940.1	1.10	1.73	1.83	-31.0	-35.0	-39.8	1.25		