

Voltage Controlled Oscillator

ROS-ED9841/1

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	9.14	895.6	893.0	889.9	1.82	2.83	3.18	-35.5	-35.4	-43.7	0.44	1	-90
0.5	8.80	897.8	895.2	892.1	1.81	2.87	3.22	-36.5	-35.2	-44.0	0.44	10	-114
0.8	8.73	900.0	897.4	894.2	1.86	2.91	3.21	-37.1	-34.6	-43.8	0.46	100	-134
1.0	8.88	902.3	899.6	896.4	1.88	2.90	3.24	-38.1	-34.7	-43.5	0.49	1000	-152
1.3	9.04	904.6	901.9	898.6	1.87	2.93	3.23	-38.9	-34.6	-43.3	0.49		
1.5	9.38	907.0	904.2	900.9	1.91	2.91	3.27	-39.8	-34.4	-43.4	0.50		
1.8	9.64	909.4	906.7	903.2	1.91	2.95	3.24	-40.9	-34.2	-43.2	0.48		
2.0	9.91	911.9	909.1	905.7	1.96	2.94	3.27	-42.0	-34.0	-43.3	0.48		
2.3	10.18	914.5	911.7	908.2	1.99	3.00	3.25	-42.5	-34.0	-43.8	0.46		
2.5	10.30	917.2	914.2	910.7	2.07	3.02	3.29	-42.9	-33.5	-43.5	0.46		
2.8	10.42	919.8	916.9	913.3	2.08	3.09	3.30	-43.5	-33.7	-43.1	0.41		
3.0	10.44	922.4	919.5	915.8	2.16	3.10	3.36	-43.2	-33.6	-42.9	0.40		
3.3	10.39	925.0	922.1	918.4	2.21	3.18	3.34	-42.7	-33.3	-43.0	0.36		
3.5	10.20	927.6	924.6	920.9	2.24	3.22	3.40	-41.7	-33.4	-42.6	0.33		
3.8	10.09	930.2	927.1	923.4	2.32	3.30	3.42	-40.0	-33.3	-42.3	0.31		
4.0	9.78	932.6	929.6	925.9	2.37	3.32	3.48	-39.2	-33.2	-42.5	0.29		
4.3	9.52	935.0	932.0	928.2	2.45	3.40	3.46	-39.0	-33.2	-42.8	0.29		
4.5	9.18	937.3	934.3	930.5	2.52	3.42	3.50	-37.8	-32.9	-43.2	0.29		
4.8	8.87	939.5	936.5	932.7	2.56	3.48	3.49	-37.2	-33.2	-42.9	0.31		
5.0	8.44	941.7	938.6	934.9	2.61	3.50	3.50	-36.5	-33.1	-43.0	0.33		
5.3	8.10	943.7	940.6	936.9	2.63	3.54	3.50	-35.8	-32.8	-43.1	0.38		
5.5	7.71	945.7	942.5	938.9	2.68	3.55	3.46	-35.3	-33.0	-43.3	0.43		
5.8	7.34	947.5	944.4	940.8	2.70	3.58	3.43	-34.7	-32.7	-43.5	0.48		
6.0	6.97	949.3	946.1	942.7	2.72	3.61	3.37	-34.3	-32.8	-43.7	0.53		
6.3	6.58	950.9	947.8	944.4	2.75	3.60	3.33	-33.9	-32.7	-44.2	0.62		
6.5	6.20	952.5	949.3	946.1	2.75	3.60	3.28	-33.8	-32.7	-44.7	0.62		
6.8	5.92	954.0	950.8	947.7	2.76	3.60	3.21	-33.4	-32.5	-44.8	0.65		
7.0	5.57	955.4	952.2	949.2	2.77	3.58	3.17	-33.2	-32.5	-45.2	0.58		
7.3	5.29	956.8	953.5	950.6	2.78	3.52	3.12	-32.6	-32.6	-45.7	0.51		
7.5	5.05	958.0	954.8	952.0	2.78	3.49	3.08	-32.6	-32.6	-45.6	0.36		
7.8	4.86	959.2	956.0	953.3	2.77	3.43	3.02	-32.4	-32.6	-46.3	0.19		
8.0	4.64	960.3	957.1	954.6	2.77	3.37	2.97	-32.1	-32.6	-46.7	0.00		
8.3	4.46	961.3	958.2	955.7	2.76	3.30	2.93	-32.0	-32.6	-47.4	0.17		
8.5	4.24	962.3	959.3	956.8	2.73	3.24	2.90	-32.1	-32.8	-47.7	0.34		
8.8	4.03	963.2	960.3	957.8	2.74	3.18	2.86	-31.7	-32.7	-47.8	0.48		
9.0	3.79	964.0	961.3	958.8	2.70	3.12	2.83	-31.6	-32.9	-47.7	0.55		
9.3	3.55	964.7	962.2	959.7	2.66	3.07	2.80	-31.4	-32.9	-47.3	0.62		
9.5	3.24	965.3	963.0	960.5	2.60	3.04	2.77	-31.2	-32.7	-47.7	0.70		
9.8	3.02	966.0	963.7	961.3	2.51	3.00	2.75	-31.3	-32.8	-47.5	0.72		
10.0	2.68	966.5	964.4	961.9	2.42	2.96	2.73	-31.1	-32.7	-46.9	0.74		