

Voltage Controlled Oscillator

ROS-ED9243/1

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	16.14	876.0	872.5	870.1	4.75	5.77	5.85	-26.6	-28.2	-51.5	0.07	1	-89
0.4	13.78	878.6	875.0	872.8	4.64	5.89	5.90	-27.0	-28.1	-52.1	0.04	10	-112
0.5	14.31	881.0	877.5	875.3	4.68	5.89	5.96	-27.7	-27.7	-51.1	0.11	100	-132
0.7	12.20	883.4	879.7	877.7	4.61	6.01	6.01	-26.4	-32.4	-48.3	0.07	1000	-152
0.9	12.68	885.6	882.0	880.0	4.50	6.05	6.05	-26.3	-33.3	-46.7	0.09		
1.1	12.84	887.9	884.3	882.2	4.48	6.01	6.09	-28.7	-28.3	-48.4	0.09		
1.3	12.14	890.1	886.5	884.5	4.63	6.10	6.12	-28.2	-31.1	-46.9	0.13		
1.4	11.95	892.3	888.7	886.6	4.64	6.12	6.15	-28.6	-31.4	-46.7	0.11		
1.6	12.13	894.5	890.9	888.8	4.70	6.15	6.18	-27.1	-33.6	-44.7	0.13		
1.8	12.12	896.7	893.0	891.0	4.73	6.16	6.21	-27.3	-33.9	-43.6	0.13		
2.0	12.12	898.9	895.2	893.1	4.81	6.18	6.23	-27.5	-33.8	-43.6	0.15		
2.2	12.08	901.0	897.4	895.3	4.77	6.20	6.26	-27.9	-34.0	-43.2	0.16		
2.3	12.13	903.2	899.6	897.4	4.87	6.22	6.29	-28.2	-33.9	-42.1	0.15		
2.5	12.37	905.4	901.8	899.6	4.85	6.25	6.32	-28.5	-34.1	-42.1	0.16		
2.7	12.14	907.6	904.0	901.7	4.96	6.28	6.36	-28.8	-33.9	-41.7	0.11		
2.9	12.11	909.8	906.2	903.9	5.07	6.32	6.39	-29.1	-34.2	-41.0	0.17		
3.1	12.44	912.0	908.4	906.1	5.09	6.37	6.44	-29.5	-34.1	-40.6	0.11		
3.2	12.08	914.2	910.6	908.3	5.23	6.42	6.49	-29.7	-34.1	-40.2	0.11		
3.4	12.01	916.4	912.7	910.4	5.26	6.48	6.55	-30.0	-34.2	-39.5	0.11		
3.6	12.08	918.6	914.9	912.6	5.38	6.54	6.61	-29.9	-34.2	-39.2	0.05		
3.8	11.75	920.8	917.0	914.7	5.49	6.62	6.68	-30.2	-34.0	-39.1	0.05		
4.0	11.89	922.9	919.2	916.9	5.62	6.69	6.74	-30.5	-34.1	-38.2	0.02		
4.1	11.69	925.1	921.3	919.0	5.67	6.78	6.82	-30.4	-34.2	-38.2	0.00		
4.3	11.59	927.2	923.4	921.1	5.74	6.86	6.90	-30.6	-34.1	-38.3	0.02		
4.5	11.53	929.2	925.4	923.2	5.85	6.94	6.97	-30.9	-34.0	-38.1	0.02		
4.7	11.33	931.3	927.5	925.2	5.92	7.02	7.06	-31.2	-34.5	-37.5	0.05		
4.9	11.21	933.3	929.5	927.2	5.96	7.10	7.14	-31.2	-34.4	-37.4	0.09		
5.0	11.00	935.3	931.5	929.2	6.08	7.16	7.22	-31.1	-34.6	-37.0	0.09		
5.2	11.00	937.3	933.5	931.1	6.18	7.23	7.30	-31.4	-34.3	-36.6	0.12		
5.4	10.73	939.2	935.4	933.0	6.27	7.29	7.38	-31.4	-34.5	-35.7	0.12		
5.6	10.50	941.1	937.3	934.8	6.34	7.35	7.45	-31.7	-34.8	-35.6	0.15		
5.8	10.28	942.9	939.1	936.6	6.41	7.41	7.52	-31.9	-34.8	-35.1	0.14		
5.9	9.98	944.7	940.9	938.4	6.47	7.47	7.59	-32.0	-34.8	-34.7	0.17		
6.1	9.79	946.5	942.7	940.1	6.54	7.54	7.65	-32.2	-34.8	-34.1	0.19		
6.3	9.57	948.2	944.4	941.8	6.58	7.59	7.71	-31.8	-34.9	-34.3	0.20		
6.5	9.41	949.9	946.1	943.4	6.62	7.65	7.78	-32.0	-34.7	-34.0	0.22		
6.7	9.04	951.6	947.7	945.0	6.68	7.70	7.84	-31.9	-34.8	-33.8	0.26		
6.8	8.79	953.2	949.3	946.6	6.73	7.76	7.89	-31.9	-34.8	-33.7	0.24		
7.0	8.58	954.8	950.9	948.1	6.78	7.82	7.96	-31.9	-34.9	-33.9	0.26		