

Voltage Controlled Oscillator

ROS-ED10025/1

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	5.38	909.4	907.9	905.4	5.05	5.70	5.95	-18.4	-35.9	-42.2	0.20	1	-91
0.4	5.39	910.5	909.0	906.5	5.08	5.72	5.96	-18.4	-35.9	-42.4	0.20	10	-116
0.6	5.42	911.6	910.1	907.5	5.10	5.74	5.98	-18.5	-35.7	-41.8	0.22	100	-137
0.8	5.59	912.7	911.2	908.6	5.12	5.77	6.01	-18.6	-35.6	-41.7	0.22	1000	-153
1.0	5.90	913.9	912.4	909.8	5.15	5.81	6.02	-18.7	-35.7	-41.8	0.24		
1.2	6.22	915.2	913.6	911.0	5.18	5.84	6.04	-18.8	-35.9	-41.5	0.22		
1.4	6.68	916.6	914.9	912.3	5.21	5.87	6.07	-19.0	-35.6	-41.3	0.24		
1.6	7.18	918.1	916.4	913.7	5.25	5.90	6.10	-19.2	-35.3	-41.9	0.22		
1.8	7.55	919.7	917.9	915.1	5.29	5.94	6.13	-19.2	-35.3	-41.6	0.17		
2.0	8.02	921.3	919.5	916.7	5.32	5.98	6.17	-19.3	-35.1	-41.2	0.16		
2.2	8.34	923.0	921.2	918.3	5.38	6.02	6.21	-19.5	-35.1	-41.3	0.12		
2.4	8.53	924.7	922.9	920.0	5.42	6.08	6.25	-19.6	-35.3	-41.3	0.05		
2.6	8.68	926.5	924.6	921.8	5.47	6.12	6.29	-19.8	-35.0	-41.1	0.00		
2.8	8.76	928.3	926.4	923.5	5.53	6.17	6.34	-19.9	-34.8	-41.0	0.09		
3.0	8.64	930.0	928.1	925.2	5.57	6.22	6.38	-20.1	-34.8	-41.2	0.22		
3.2	8.36	931.7	929.8	926.9	5.62	6.08	6.42	-20.2	-34.5	-41.2	0.29		
3.4	8.12	933.3	931.4	928.6	5.67	6.30	6.47	-19.9	-33.4	-41.1	0.39		
3.6	7.74	934.8	932.9	930.1	5.71	6.35	6.51	-20.0	-33.3	-40.0	0.46		
3.8	7.28	936.2	934.4	931.6	5.74	6.38	6.54	-20.1	-33.1	-39.5	0.53		
4.0	6.75	937.6	935.7	933.0	5.75	6.39	6.57	-20.3	-32.8	-39.5	0.58		
4.2	6.20	938.8	937.0	934.2	5.76	6.40	6.58	-20.4	-32.6	-38.5	0.60		
4.4	5.55	939.9	938.1	935.4	5.75	6.40	6.58	-20.4	-32.3	-38.4	0.58		
4.6	4.87	940.8	939.1	936.3	5.74	6.39	6.58	-20.5	-32.2	-38.1	0.50		
4.8	4.22	941.7	939.9	937.2	5.71	6.38	6.56	-20.7	-32.4	-37.8	0.44		
5.0	3.49	942.3	940.6	937.9	5.68	6.35	6.55	-20.9	-33.1	-37.8	0.29		
5.2	2.73	942.8	941.1	938.5	5.67	6.33	6.54	-21.1	-33.5	-38.1	0.14		
5.4	1.98	943.1	941.5	938.9	5.67	6.33	6.53	-21.4	-34.5	-38.5	0.05		
5.6	1.26	943.3	941.8	939.2	5.73	6.35	6.55	-21.6	-35.6	-39.5	0.22		
5.8	0.72	943.4	941.9	939.4	5.87	6.41	6.58	-21.5	-36.7	-40.8	0.31		
6.0	0.43	943.4	942.0	939.6	6.02	6.50	6.62	-21.3	-37.2	-42.0	0.32		
6.2	0.35	943.5	942.1	939.7	6.16	6.59	6.67	-21.0	-37.5	-44.2	0.27		
6.4	0.32	943.6	942.2	939.8	6.27	6.67	6.72	-20.9	-36.8	-46.6	0.22		
6.6	0.42	943.7	942.2	939.9	6.34	6.73	6.76	-20.8	-36.7	-47.5	0.17		
6.8	0.48	943.9	942.3	939.9	6.39	6.77	6.80	-20.6	-35.9	-48.4	0.14		
7.0	0.48	944.0	942.4	940.0	6.42	6.81	6.82	-20.6	-35.7	-52.0	0.12		
7.2	0.42	944.1	942.5	940.1	6.44	6.84	6.84	-20.6	-35.4	-52.8	0.12		
7.4	0.43	944.2	942.6	940.2	6.45	6.86	6.85	-20.5	-35.8	-52.6	0.14		
7.6	0.43	944.3	942.7	940.2	6.46	6.87	6.87	-20.5	-35.5	-52.4	0.12		
7.8	0.35	944.4	942.8	940.3	6.47	6.88	6.88	-20.5	-35.3	-51.9	0.14		
8.0	0.42	944.5	942.8	940.4	6.47	6.89	6.88	-20.5	-35.0	-52.6	0.14		