

Voltage Controlled Oscillator

ROS-EDR8347

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			
0.00	24.18	876.9	874.1	872.4	5.66	5.40	4.63	-27.5	-37.8	-47.9	0.90	1	-89
0.30	21.26	883.9	881.2	879.5	5.71	5.48	4.83	-27.5	-37.3	-46.7	0.59	10	-117
0.50	20.11	888.1	885.5	883.9	5.73	5.51	4.93	-27.6	-37.0	-46.7	0.46	100	-138
0.75	19.27	893.1	890.5	888.9	5.75	5.54	5.01	-27.8	-36.8	-47.0	0.36	1000	-155
1.00	18.77	898.0	895.4	893.7	5.77	5.56	5.08	-27.7	-36.7	-47.0	0.29		
1.25	18.47	902.7	900.1	898.3	5.78	5.58	5.13	-27.5	-36.4	-47.7	0.25		
1.50	18.30	907.3	904.7	902.9	5.79	5.59	5.18	-27.4	-36.4	-48.3	0.22		
1.75	18.19	911.9	909.2	907.5	5.81	5.60	5.22	-27.5	-35.9	-49.0	0.21		
2.00	18.13	916.5	913.8	912.0	5.82	5.61	5.25	-27.6	-35.4	-48.8	0.21		
2.25	18.05	921.0	918.3	916.5	5.82	5.62	5.28	-27.7	-35.1	-49.4	0.23		
2.50	17.93	925.6	922.8	921.0	5.84	5.62	5.30	-27.8	-34.9	-50.8	0.26		
2.75	17.83	930.1	927.3	925.5	5.86	5.64	5.32	-28.0	-35.0	-52.2	0.31		
3.00	17.69	934.5	931.8	929.9	5.86	5.64	5.34	-28.1	-35.0	-53.7	0.36		
3.25	17.47	939.0	936.2	934.3	5.87	5.65	5.36	-28.1	-34.5	-55.4	0.41		
3.50	17.25	943.3	940.6	938.7	5.89	5.66	5.37	-28.1	-33.8	-58.0	0.48		
3.75	16.99	947.6	944.9	943.0	5.89	5.66	5.38	-28.2	-33.4	-61.9	0.55		
4.00	16.67	951.9	949.1	947.3	5.88	5.66	5.38	-28.4	-33.1	-64.5	0.61		
4.25	16.32	956.1	953.3	951.4	5.88	5.66	5.39	-28.5	-32.8	-66.1	0.67		
4.50	15.98	960.2	957.4	955.5	5.87	5.66	5.39	-28.5	-32.6	-62.0	0.73		
4.70	15.65	963.4	960.6	958.7	5.85	5.65	5.39	-28.5	-32.5	-58.0	0.77		
5.00	15.13	968.1	965.3	963.4	5.84	5.64	5.38	-28.5	-32.3	-52.8	0.82		
5.25	14.70	971.9	969.0	967.2	5.82	5.63	5.38	-28.5	-32.1	-50.7	0.86		
5.50	14.28	975.6	972.7	970.8	5.80	5.62	5.37	-28.5	-31.9	-50.9	0.89		
5.75	13.81	979.1	976.3	974.4	5.78	5.61	5.36	-28.5	-31.6	-50.7	0.91		
6.00	13.36	982.6	979.7	977.9	5.76	5.59	5.34	-28.5	-31.3	-49.7	0.93		
6.25	12.93	986.0	983.1	981.2	5.73	5.58	5.32	-28.5	-31.1	-47.8	0.94		
6.50	12.54	989.2	986.3	984.5	5.71	5.56	5.31	-28.6	-30.7	-45.3	0.95		
6.75	12.16	992.3	989.5	987.6	5.69	5.54	5.29	-28.6	-30.6	-44.3	0.96		
7.00	12.16	995.4	992.5	990.6	5.68	5.53	5.27	-28.6	-30.6	-43.6	0.96		