

Voltage Controlled Oscillator

ROSA-ED9046C/2

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			
0.4	21.05	822.7	819.5	816.2	8.51	8.55	8.15	-11.5	-37.4	-44.9	0.20	1	-88
0.8	18.50	830.1	826.6	823.1	8.54	8.63	8.31	-12.4	-36.4	-44.5	0.09	10	-118
1.1	17.42	837.0	833.2	829.5	8.61	8.72	8.42	-13.3	-36.0	-43.9	0.02	100	-138
1.5	16.98	843.7	839.6	835.8	8.75	8.84	8.53	-14.2	-35.1	-43.6	0.05	1000	-158
1.9	16.89	850.2	846.0	842.0	8.90	8.99	8.68	-15.1	-34.6	-42.8	0.11		
2.3	16.76	856.7	852.4	848.3	9.06	9.16	8.86	-16.0	-34.2	-41.2	0.14		
2.7	16.66	863.1	858.7	854.5	9.23	9.35	9.04	-16.9	-33.4	-39.7	0.17		
3.0	16.44	869.4	865.0	860.8	9.50	9.57	9.23	-17.6	-31.9	-40.1	0.20		
3.4	16.15	875.5	871.1	866.9	9.67	9.73	9.40	-18.4	-31.3	-44.6	0.21		
3.8	15.81	881.4	877.1	873.0	9.73	9.79	9.47	-19.5	-31.3	-50.7	0.22		
4.2	15.37	887.2	883.0	878.9	9.74	9.80	9.49	-20.5	-31.3	-57.3	0.22		
4.6	14.99	892.8	888.7	884.7	9.72	9.76	9.46	-21.6	-31.5	-62.3	0.22		
4.9	14.56	898.3	894.2	890.3	9.66	9.69	9.38	-22.6	-31.9	-62.5	0.23		
5.3	14.13	903.6	899.6	895.8	9.59	9.59	9.28	-23.7	-32.2	-62.4	0.23		
5.7	13.72	908.7	904.8	901.0	9.51	9.47	9.17	-24.7	-32.8	-62.1	0.24		
6.1	13.30	913.7	909.9	906.1	9.42	9.38	9.07	-25.8	-33.3	-62.1	0.25		
6.5	12.76	918.5	914.7	911.0	9.36	9.29	8.99	-26.8	-33.7	-61.7	0.26		
6.8	12.29	923.1	919.4	915.7	9.31	9.22	8.94	-27.7	-34.4	-61.1	0.29		
7.2	11.77	927.5	923.8	920.2	9.23	9.17	8.90	-28.5	-35.2	-59.7	0.30		
7.6	10.82	931.8	928.0	924.4	9.15	9.22	8.89	-29.2	-35.4	-62.2	0.32		
8.0	11.08	935.9	932.2	928.5	9.07	9.09	8.91	-29.6	-35.8	-61.5	0.34		
8.4	10.41	939.8	936.1	932.5	8.99	9.03	8.83	-30.0	-36.9	-59.8	0.35		
8.7	9.91	943.6	939.9	936.3	8.92	8.96	8.78	-30.3	-37.8	-57.5	0.39		
9.1	9.52	947.2	943.5	939.9	8.83	8.90	8.74	-30.8	-38.5	-55.4	0.40		
9.5	9.07	950.6	947.0	943.4	8.76	8.83	8.70	-31.1	-39.3	-56.7	0.42		
9.9	8.71	953.8	950.3	946.7	8.70	8.77	8.64	-31.4	-40.3	-58.4	0.43		
10.3	8.30	956.8	953.4	949.9	8.65	8.71	8.59	-31.7	-41.6	-60.7	0.45		
10.6	7.94	959.7	956.4	953.0	8.62	8.65	8.54	-31.8	-43.2	-61.6	0.46		
11.0	7.58	962.4	959.3	955.9	8.60	8.59	8.49	-31.9	-44.7	-61.4	0.44		
11.4	7.27	965.2	962.1	958.7	8.54	8.54	8.45	-32.0	-47.1	-61.5	0.44		
11.8	6.92	967.9	964.7	961.4	8.45	8.50	8.42	-32.0	-49.3	-58.4	0.44		
12.2	6.52	970.2	967.2	964.0	8.51	8.47	8.38	-32.0	-50.4	-48.8	0.40		
12.5	6.47	972.4	969.6	966.4	8.48	8.41	8.37	-31.9	-50.4	-58.9	0.43		
12.9	6.08	974.8	972.0	968.8	8.35	8.40	8.33	-31.6	-48.1	-56.1	0.41		
13.3	5.76	977.0	974.1	971.0	8.27	8.39	8.33	-31.4	-45.5	-51.1	0.39		
13.7	5.47	979.1	976.2	973.2	8.23	8.40	8.32	-31.4	-43.6	-47.3	0.37		
14.1	5.20	981.1	978.2	975.2	8.21	8.41	8.32	-31.3	-42.2	-44.8	0.36		
14.4	4.90	983.0	980.1	977.2	8.22	8.43	8.33	-31.2	-41.0	-42.7	0.34		
14.8	4.64	984.7	981.8	979.0	8.26	8.45	8.34	-31.3	-39.5	-40.6	0.30		