

Voltage Controlled Oscillator

ROS-ED10634/1

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	30.07	799.6	794.8	786.4	4.23	6.01	6.42	-15.1	-21.2	-41.7	5.26	1	-73
0.3	33.13	804.7	799.8	791.2	4.42	6.20	6.63	-14.5	-20.9	-42.3	5.32	10	-94
0.5	34.67	810.1	805.0	796.3	4.59	6.38	6.82	-14.1	-20.6	-43.2	5.38	100	-114
0.6	36.53	815.9	810.5	801.6	4.74	6.53	7.00	-13.7	-20.3	-43.6	5.42	1000	-134
0.8	38.87	822.1	816.3	807.2	4.87	6.66	7.16	-13.3	-20.3	-43.1	5.48		
0.9	41.53	828.7	822.5	813.3	5.02	6.79	7.29	-13.0	-20.2	-44.1	5.50		
1.1	44.67	835.9	829.2	819.7	5.17	6.90	7.40	-12.6	-20.0	-43.9	5.48		
1.2	48.07	843.6	836.4	826.6	5.39	7.04	7.49	-12.3	-20.0	-43.9	5.47		
1.4	51.65	851.9	844.2	834.0	5.66	7.24	7.61	-12.0	-20.0	-43.2	5.46		
1.5	54.51	860.5	852.4	841.9	5.96	7.49	7.76	-11.6	-19.9	-41.0	5.43		
1.7	57.95	869.8	861.1	850.3	6.19	7.75	7.99	-11.4	-19.9	-40.2	5.34		
1.8	60.61	879.4	870.2	859.1	6.36	7.96	8.22	-11.1	-19.9	-38.8	5.24		
2.0	63.91	889.5	879.7	868.4	6.46	8.10	8.42	-10.9	-20.1	-37.6	5.06		
2.1	66.97	899.8	889.8	878.0	6.52	8.17	8.52	-10.7	-20.3	-36.1	4.88		
2.3	68.56	910.6	900.1	888.3	6.62	8.20	8.57	-10.5	-20.5	-35.0	4.70		
2.4	71.66	921.9	910.8	898.8	6.80	8.28	8.57	-10.5	-21.1	-34.4	4.61		
2.6	75.07	933.6	922.1	909.8	6.99	8.42	8.60	-10.4	-21.3	-33.8	4.46		
2.7	76.72	945.5	933.6	921.1	7.08	8.57	8.70	-10.3	-21.7	-33.4	4.27		
2.9	79.41	958.0	945.5	932.8	7.08	8.61	8.82	-10.2	-22.2	-32.7	4.09		
3.0	82.54	970.8	957.9	945.0	7.10	8.56	8.82	-10.1	-22.4	-32.0	3.94		
3.2	84.10	983.7	970.5	957.4	7.22	8.53	8.72	-10.2	-23.0	-31.1	3.76		
3.3	85.67	996.7	983.3	970.2	7.34	8.62	8.66	-10.2	-23.8	-30.3	3.56		
3.5	85.44	1009.8	996.2	983.1	7.38	8.70	8.71	-10.3	-24.9	-29.7	3.31		
3.6	86.23	1023.0	1009.1	996.0	7.34	8.71	8.76	-10.3	-25.9	-29.1	3.12		
3.8	87.63	1036.4	1022.2	1009.1	7.32	8.61	8.73	-10.4	-27.2	-28.4	2.96		
3.9	88.03	1049.8	1035.4	1022.2	7.36	8.56	8.61	-10.5	-28.1	-28.1	2.73		
4.1	88.65	1063.3	1048.7	1035.5	7.39	8.57	8.53	-10.7	-29.7	-28.0	2.54		
4.2	89.35	1077.0	1062.1	1048.9	7.34	8.60	8.52	-10.7	-31.3	-27.6	2.35		
4.4	88.53	1090.2	1075.4	1062.2	7.27	8.55	8.54	-10.9	-32.9	-28.1	2.19		
4.5	88.22	1103.4	1088.7	1075.6	7.23	8.46	8.49	-11.0	-34.3	-28.6	2.02		
4.7	87.49	1116.7	1101.8	1088.8	7.26	8.39	8.38	-11.2	-34.9	-29.5	1.83		
4.8	86.61	1129.8	1114.8	1101.8	7.29	8.41	8.29	-11.5	-34.2	-30.9	1.65		
5.0	86.25	1142.7	1127.7	1114.9	7.20	8.42	8.29	-11.8	-32.5	-31.8	1.56		
5.1	85.85	1155.6	1140.6	1127.9	7.05	8.35	8.29	-12.0	-30.7	-32.2	1.39		
5.3	84.29	1168.2	1153.2	1140.6	6.93	8.21	8.23	-12.3	-29.6	-32.3	1.28		
5.4	84.88	1180.8	1166.0	1153.5	6.92	8.09	8.09	-12.6	-28.3	-32.8	1.16		
5.6	83.11	1193.1	1178.4	1166.1	6.88	8.08	7.99	-12.7	-27.4	-35.3	0.97		
5.7	81.35	1205.3	1190.6	1178.5	6.80	8.07	7.98	-12.9	-26.2	-32.3	0.90		
5.9	80.73	1217.4	1202.7	1190.8	6.70	8.01	7.99	-13.1	-25.2	-31.4	0.90		
6.0	79.76	1229.4	1214.7	1202.8	6.58	7.90	7.93	-13.4	-24.6	-31.5	0.80		