

Voltage Controlled Oscillator

ROS-ED9836/1

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			
0.1	18.46	727.7	725.8	724.2	3.87	3.38	2.95	-33.1	-48.3	-49.1	0.36	1	-90
0.3	17.65	729.8	728.0	726.4	3.84	3.41	2.92	-33.2	-48.1	-49.3	0.34	10	-112
0.4	17.02	731.9	730.2	728.5	3.83	3.38	2.92	-33.2	-48.5	-47.4	0.34	100	-132
0.5	16.80	734.0	732.3	730.7	3.83	3.34	2.88	-33.2	-47.6	-47.7	0.34	1000	-140
0.6	16.48	736.0	734.3	732.8	3.80	3.33	2.87	-33.5	-47.7	-47.7	0.32		
0.8	16.46	738.0	736.4	734.9	3.82	3.29	2.84	-33.3	-47.3	-47.4	0.34		
0.9	16.41	740.1	738.4	737.0	3.77	3.30	2.81	-33.1	-47.6	-47.1	0.32		
1.0	16.31	742.1	740.5	739.0	3.74	3.25	2.83	-33.4	-47.4	-47.6	0.34		
1.1	16.55	744.2	742.5	741.0	3.77	3.28	2.79	-33.9	-47.5	-47.7	0.36		
1.3	16.52	746.2	744.6	743.0	3.71	3.23	2.82	-33.5	-47.2	-47.7	0.36		
1.4	16.68	748.3	746.7	745.1	3.75	3.17	2.77	-33.6	-47.9	-48.1	0.40		
1.5	16.82	750.4	748.8	747.1	3.71	3.20	2.72	-33.7	-47.6	-48.1	0.42		
1.6	16.96	752.5	750.9	749.2	3.72	3.15	2.74	-33.9	-46.1	-48.2	0.42		
1.8	16.98	754.7	753.0	751.3	3.68	3.17	2.69	-33.8	-46.7	-48.1	0.44		
1.9	17.01	756.8	755.2	753.4	3.63	3.13	2.70	-34.1	-47.1	-48.7	0.45		
2.0	16.98	759.0	757.3	755.5	3.66	3.09	2.67	-33.9	-46.8	-46.9	0.47		
2.1	17.02	761.1	759.4	757.6	3.62	3.12	2.70	-34.1	-47.7	-47.4	0.50		
2.3	16.95	763.2	761.5	759.7	3.62	3.10	2.68	-33.9	-47.4	-47.0	0.52		
2.4	17.06	765.4	763.7	761.8	3.58	3.10	2.65	-34.2	-46.9	-47.8	0.54		
2.5	16.88	767.5	765.8	763.8	3.61	3.08	2.66	-34.2	-46.7	-47.4	0.56		
2.6	16.88	769.7	767.9	765.9	3.57	3.13	2.64	-34.2	-47.0	-46.6	0.60		
2.8	16.70	771.8	770.0	768.0	3.54	3.11	2.69	-34.5	-46.8	-46.7	0.60		
2.9	16.65	773.9	772.1	770.0	3.55	3.09	2.68	-34.4	-47.9	-46.4	0.60		
3.0	16.33	776.0	774.1	772.0	3.51	3.12	2.66	-34.7	-47.5	-47.9	0.62		
3.1	16.09	778.0	776.1	774.0	3.35	3.11	2.70	-34.6	-47.2	-47.3	0.64		
3.3	15.99	780.0	778.1	776.0	3.31	2.96	2.68	-34.8	-46.3	-47.1	0.64		
3.4	15.75	782.0	780.1	777.9	3.27	2.95	2.54	-34.5	-47.5	-47.3	0.64		
3.5	15.53	783.9	782.0	779.8	3.40	2.93	2.53	-34.9	-46.8	-46.5	0.62		
3.6	15.44	785.8	783.9	781.7	3.36	3.10	2.51	-34.9	-46.9	-46.3	0.62		
3.8	15.03	787.7	785.8	783.5	3.33	3.08	2.67	-35.1	-46.7	-46.2	0.64		
3.9	14.57	789.5	787.6	785.3	3.28	3.08	2.65	-34.9	-47.4	-47.0	0.62		
4.0	14.16	791.2	789.4	787.0	3.23	3.05	2.63	-35.2	-47.6	-46.4	0.64		
4.1	13.83	793.0	791.1	788.7	3.17	3.02	2.62	-35.6	-45.9	-47.6	0.64		
4.3	13.28	794.6	792.8	790.3	3.12	2.98	2.59	-35.1	-46.7	-47.1	0.60		
4.4	12.88	796.2	794.4	791.9	3.06	2.94	2.56	-35.6	-47.0	-47.3	0.60		
4.5	12.64	797.8	796.0	793.5	2.97	2.90	2.52	-36.0	-45.9	-46.3	0.58		
4.6	12.08	799.3	797.5	795.0	2.92	2.83	2.49	-35.9	-46.1	-46.2	0.58		
4.8	11.84	800.8	799.0	796.4	2.86	2.79	2.46	-36.0	-46.7	-46.1	0.56		
4.9	11.44	802.2	800.4	797.9	2.81	2.75	2.39	-35.6	-46.4	-46.3	0.54		
5.0	11.12	803.6	801.8	799.2	2.75	2.71	2.35	-36.0	-46.8	-46.3	0.54		