

Voltage Controlled Oscillator

ROS-ED9444A/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	16.15	733.7	730.2	728.3	1.60	2.08	2.24	-25.9	-37.5	-36.5	0.05	1	-90
0.4	15.06	736.6	733.2	731.4	1.63	2.14	2.29	-26.5	-37.7	-37.4	0.04	10	-115
0.6	14.46	739.5	736.1	734.3	1.68	2.18	2.34	-26.9	-37.4	-38.2	0.02	100	-135
0.8	14.25	742.4	738.9	737.2	1.70	2.22	2.37	-27.2	-36.8	-38.6	0.04	1000	-155
1.0	14.17	745.3	741.8	740.0	1.74	2.25	2.43	-27.9	-36.9	-38.9	0.00		
1.2	14.46	748.3	744.7	742.9	1.78	2.29	2.47	-28.2	-36.9	-39.7	0.02		
1.4	14.75	751.2	747.6	745.8	1.81	2.33	2.49	-28.9	-36.8	-40.3	0.04		
1.6	15.25	754.3	750.7	748.8	1.86	2.35	2.53	-29.4	-36.7	-41.0	0.06		
1.8	15.36	757.3	753.7	751.8	1.87	2.40	2.55	-30.0	-36.6	-40.6	0.09		
2.0	15.48	760.4	756.8	755.0	1.92	2.42	2.60	-30.4	-36.1	-40.3	0.16		
2.2	15.55	763.6	759.9	758.1	1.97	2.47	2.64	-31.4	-36.4	-40.7	0.24		
2.4	15.61	766.7	763.1	761.2	2.01	2.52	2.67	-32.3	-36.2	-40.2	0.30		
2.6	15.60	769.8	766.2	764.3	2.08	2.56	2.72	-32.9	-36.2	-40.4	0.38		
2.8	15.40	772.8	769.3	767.4	2.15	2.63	2.77	-33.9	-35.8	-41.1	0.46		
3.0	15.10	775.9	772.3	770.5	2.22	2.69	2.84	-34.5	-35.4	-40.6	0.54		
3.2	14.70	778.8	775.2	773.4	2.30	2.76	2.91	-35.7	-35.5	-41.3	0.62		
3.4	14.30	781.6	778.1	776.3	2.39	2.85	2.98	-36.4	-35.4	-41.9	0.68		
3.6	13.75	784.3	780.8	779.1	2.48	2.93	3.07	-37.7	-35.4	-41.2	0.76		
3.8	13.10	786.9	783.5	781.8	2.57	3.02	3.15	-38.8	-35.1	-41.4	0.82		
4.0	12.34	789.3	785.9	784.3	2.66	3.11	3.23	-39.7	-35.4	-41.4	0.86		
4.2	11.65	791.6	788.3	786.6	2.74	3.19	3.32	-40.1	-34.7	-41.0	0.88		
4.4	10.90	793.7	790.4	788.9	2.81	3.27	3.40	-40.3	-34.5	-41.3	0.92		
4.6	10.10	795.7	792.5	790.9	2.88	3.34	3.47	-41.0	-34.5	-41.5	0.92		
4.8	9.40	797.6	794.3	792.8	2.93	3.40	3.53	-40.5	-34.1	-41.3	0.90		
5.0	8.65	799.3	796.1	794.5	2.98	3.46	3.59	-40.5	-33.7	-41.3	0.88		
5.2	7.90	800.8	797.7	796.1	3.02	3.51	3.64	-40.2	-33.5	-40.9	0.84		
5.4	7.15	802.3	799.1	797.6	3.06	3.55	3.68	-39.9	-33.3	-41.6	0.78		
5.6	6.55	803.5	800.4	798.9	3.09	3.58	3.72	-39.9	-33.1	-41.0	0.72		
5.8	5.85	804.7	801.6	800.1	3.12	3.61	3.75	-39.3	-32.6	-41.0	0.66		
6.0	5.25	805.8	802.6	801.1	3.14	3.64	3.77	-38.9	-32.6	-40.9	0.60		
6.2	4.75	806.7	803.6	802.0	3.15	3.66	3.80	-38.7	-32.3	-40.6	0.52		
6.4	4.15	807.5	804.4	802.9	3.16	3.67	3.81	-38.5	-32.1	-41.1	0.44		
6.6	3.70	808.3	805.1	803.6	3.16	3.68	3.82	-38.2	-32.1	-40.7	0.38		
6.8	3.20	808.9	805.8	804.2	3.17	3.68	3.83	-38.2	-31.9	-40.6	0.32		
7.0	2.85	809.5	806.3	804.8	3.16	3.69	3.84	-38.4	-32.1	-40.8	0.24		
7.2	2.49	810.0	806.8	805.2	3.17	3.68	3.84	-38.2	-31.6	-40.4	0.18		
7.4	2.16	810.4	807.3	805.7	3.16	3.69	3.84	-38.3	-31.8	-40.4	0.12		
7.6	1.84	810.8	807.6	806.0	3.16	3.69	3.85	-38.1	-31.6	-40.3	0.08		
7.8	1.65	811.1	808.0	806.3	3.15	3.69	3.85	-38.4	-31.7	-40.3	0.02		
8.0	1.40	811.4	808.3	806.6	3.15	3.69	3.85	-38.0	-31.7	-40.1	0.00		