

Voltage Controlled Oscillator

ROS-ED8822/1

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	18.18	765.6	760.8	757.2	-0.29	0.35	-0.02	-13.1	-26.1	-29.1	0.63	1	-82
0.3	16.42	768.0	763.3	759.9	-0.23	0.39	-0.06	-13.1	-26.6	-28.9	0.68	10	-105
0.5	14.92	770.2	765.5	762.3	-0.19	0.41	-0.13	-13.2	-27.0	-29.1	0.76	100	-125
0.6	13.93	772.3	767.6	764.5	-0.15	0.44	-0.18	-13.2	-27.4	-29.6	0.82	1000	-145
0.8	13.08	774.2	769.6	766.7	-0.09	0.45	-0.25	-13.2	-27.7	-29.6	0.86		
0.9	12.33	776.1	771.4	768.8	-0.05	0.46	-0.31	-13.3	-28.3	-29.7	0.84		
1.1	11.79	777.9	773.2	770.8	0.00	0.46	-0.38	-13.4	-28.3	-29.9	0.81		
1.2	11.41	779.6	774.9	772.7	0.05	0.44	-0.43	-13.4	-28.8	-30.0	0.68		
1.4	11.13	781.3	776.6	774.5	0.10	0.40	-0.49	-13.5	-29.0	-30.1	0.48		
1.5	11.07	782.9	778.2	776.4	0.15	0.34	-0.54	-13.6	-29.6	-30.4	0.20		
1.7	11.13	784.4	779.9	778.1	0.19	0.27	-0.58	-13.6	-29.8	-30.3	0.06		
1.8	11.14	785.9	781.6	779.9	0.23	0.18	-0.62	-13.8	-30.4	-30.7	0.30		
2.0	11.20	787.2	783.2	781.6	0.25	0.10	-0.65	-13.9	-30.8	-30.3	0.46		
2.1	11.19	788.4	784.9	783.3	0.23	0.02	-0.68	-14.0	-30.6	-30.8	0.56		
2.3	11.13	789.5	786.6	785.0	0.08	-0.05	-0.70	-14.2	-31.2	-31.1	0.64		
2.4	11.14	791.0	788.3	786.6	-0.11	-0.12	-0.72	-14.4	-31.1	-30.9	0.68		
2.6	11.06	792.6	789.9	788.3	-0.26	-0.19	-0.74	-14.5	-31.4	-30.8	0.70		
2.7	11.00	794.2	791.6	789.9	-0.39	-0.25	-0.76	-14.7	-31.7	-30.9	0.72		
2.9	11.00	795.9	793.2	791.5	-0.51	-0.31	-0.77	-14.8	-31.8	-31.0	0.70		
3.0	10.93	797.5	794.9	793.1	-0.61	-0.36	-0.79	-14.9	-31.8	-31.1	0.68		
3.2	10.87	799.2	796.5	794.7	-0.70	-0.41	-0.80	-15.1	-32.0	-31.2	0.68		
3.3	11.00	800.9	798.1	796.3	-0.79	-0.46	-0.82	-15.2	-32.2	-31.3	0.66		
3.5	10.80	802.5	799.8	797.9	-0.87	-0.51	-0.83	-15.4	-31.7	-30.7	0.66		
3.6	10.93	804.2	801.4	799.5	-0.95	-0.56	-0.85	-15.5	-31.4	-31.5	0.62		
3.8	10.87	805.9	803.0	801.1	-1.02	-0.60	-0.86	-15.7	-31.5	-31.5	0.62		
3.9	11.00	807.5	804.7	802.7	-1.08	-0.64	-0.86	-15.9	-31.8	-31.3	0.58		
4.1	10.93	809.2	806.3	804.3	-1.15	-0.69	-0.88	-16.0	-31.7	-31.4	0.58		
4.2	10.93	810.9	808.0	805.9	-1.22	-0.73	-0.90	-16.2	-31.4	-31.6	0.54		
4.4	11.07	812.6	809.6	807.5	-1.28	-0.77	-0.91	-16.4	-31.3	-31.8	0.52		
4.5	11.13	814.3	811.3	809.1	-1.35	-0.81	-0.93	-16.5	-31.2	-31.4	0.50		
4.7	11.13	816.0	812.9	810.8	-1.40	-0.84	-0.96	-16.7	-30.9	-31.8	0.48		
4.8	11.20	817.7	814.6	812.4	-1.45	-0.89	-0.97	-16.9	-30.8	-31.7	0.46		
5.0	11.34	819.5	816.3	814.0	-1.51	-0.93	-0.98	-17.0	-30.4	-31.4	0.44		
5.1	11.39	821.2	818.0	815.7	-1.56	-0.96	-1.01	-17.2	-30.5	-31.6	0.44		
5.3	11.47	823.0	819.8	817.4	-1.59	-1.00	-1.03	-17.4	-30.3	-31.8	0.40		
5.4	11.67	824.8	821.5	819.1	-1.65	-1.04	-1.04	-17.7	-30.4	-31.5	0.38		
5.6	11.67	826.6	823.3	820.8	-1.69	-1.05	-1.06	-17.8	-30.4	-32.0	0.38		
5.7	11.87	828.4	825.0	822.5	-1.72	-1.09	-1.06	-18.0	-29.9	-31.9	0.34		
5.9	12.01	830.2	826.8	824.3	-1.75	-1.12	-1.08	-18.2	-29.5	-32.3	0.34		
6.0	12.13	832.1	828.7	826.0	-1.78	-1.13	-1.10	-18.5	-29.6	-32.5	0.30		