

Voltage Controlled Oscillator

ROS-ED9837/1

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	33.69	765.8	758.7	754.0	-0.49	0.12	0.22	-36.4	-31.0	-35.2	0.29	1	-83
0.3	31.65	770.4	763.4	758.8	-0.60	-0.03	0.09	-37.0	-30.3	-35.2	0.30	10	-104
0.5	30.14	774.9	767.9	763.3	-0.69	-0.15	-0.05	-37.4	-29.9	-35.5	0.34	100	-124
0.6	28.71	779.2	772.2	767.6	-0.74	-0.22	-0.17	-38.0	-29.5	-35.2	0.38	1000	-144
0.8	28.01	783.3	776.4	771.8	-0.77	-0.30	-0.24	-38.0	-28.8	-35.4	0.42		
0.9	27.26	787.5	780.5	775.9	-0.79	-0.35	-0.33	-37.8	-28.8	-35.6	0.44		
1.1	26.87	791.5	784.6	779.8	-0.73	-0.38	-0.37	-38.2	-28.1	-35.9	0.46		
1.2	26.47	795.5	788.5	783.8	-0.71	-0.37	-0.40	-39.1	-28.1	-35.7	0.48		
1.4	26.13	799.5	792.5	787.6	-0.70	-0.36	-0.40	-39.4	-27.8	-36.3	0.52		
1.5	26.07	803.4	796.4	791.5	-0.67	-0.35	-0.39	-39.3	-27.6	-36.6	0.52		
1.7	26.00	807.4	800.3	795.3	-0.69	-0.34	-0.38	-38.9	-27.3	-36.7	0.54		
1.8	25.87	811.3	804.1	799.1	-0.68	-0.32	-0.37	-39.7	-27.1	-36.6	0.56		
2.0	25.80	815.3	808.0	802.9	-0.67	-0.31	-0.37	-40.4	-26.9	-36.5	0.56		
2.1	25.80	819.2	811.9	806.7	-0.69	-0.34	-0.39	-40.4	-26.8	-37.2	0.58		
2.3	25.86	823.2	815.8	810.5	-0.69	-0.36	-0.40	-39.6	-26.6	-37.1	0.62		
2.4	25.80	827.1	819.6	814.3	-0.78	-0.38	-0.40	-40.2	-26.4	-37.1	0.62		
2.6	25.81	831.1	823.5	818.1	-0.79	-0.41	-0.43	-40.5	-26.2	-37.9	0.62		
2.7	25.86	835.1	827.4	821.9	-0.78	-0.50	-0.51	-39.7	-25.5	-38.4	0.66		
2.9	25.73	839.0	831.2	825.6	-0.79	-0.52	-0.53	-40.1	-25.6	-38.9	0.70		
3.0	25.75	842.9	835.1	829.4	-0.78	-0.52	-0.57	-39.8	-25.6	-39.6	0.72		
3.2	25.51	846.8	838.9	833.1	-0.82	-0.53	-0.60	-39.6	-25.4	-40.2	0.76		
3.3	25.30	850.7	842.7	836.8	-0.82	-0.53	-0.67	-39.8	-25.4	-40.0	0.78		
3.5	25.18	854.5	846.5	840.5	-0.78	-0.58	-0.68	-39.2	-25.5	-40.7	0.82		
3.6	24.81	858.3	850.2	844.2	-0.73	-0.59	-0.68	-38.3	-25.6	-40.7	0.86		
3.8	24.51	862.0	853.9	847.8	-0.75	-0.57	-0.69	-36.8	-25.3	-41.1	0.90		
3.9	24.15	865.7	857.5	851.3	-0.73	-0.53	-0.74	-37.3	-25.2	-41.8	0.95		
4.1	23.55	869.2	861.1	854.8	-0.71	-0.54	-0.73	-37.3	-25.1	-40.7	0.97		
4.2	23.33	872.8	864.6	858.2	-0.72	-0.53	-0.70	-37.1	-25.3	-41.6	1.02		
4.4	22.76	876.2	868.0	861.5	-0.75	-0.52	-0.73	-36.9	-25.4	-41.7	1.08		
4.5	22.20	879.6	871.3	864.8	-0.81	-0.54	-0.72	-36.4	-25.2	-41.8	1.10		
4.7	21.86	882.9	874.6	868.0	-0.88	-0.58	-0.70	-35.9	-25.5	-40.6	1.15		
4.8	21.13	886.1	877.7	871.1	-0.96	-0.60	-0.75	-36.2	-25.5	-41.3	1.21		
5.0	20.69	889.2	880.8	874.1	-1.07	-0.68	-0.78	-35.2	-25.5	-41.9	1.25		
5.1	20.11	892.3	883.9	877.1	-1.14	-0.75	-0.84	-34.8	-25.7	-40.9	1.32		
5.3	19.69	895.3	886.8	880.0	-1.26	-0.83	-0.90	-34.8	-25.6	-41.8	1.36		
5.4	19.08	898.2	889.7	882.8	-1.40	-0.93	-0.97	-34.1	-25.6	-41.3	1.43		
5.6	18.51	901.0	892.5	885.5	-1.50	-1.02	-1.05	-34.2	-25.5	-40.7	1.49		
5.7	17.92	903.8	895.1	888.1	-1.63	-1.14	-1.18	-34.4	-25.9	-41.7	1.56		
5.9	17.56	906.4	897.8	890.6	-1.71	-1.26	-1.27	-34.0	-25.8	-41.4	1.60		
6.0	16.88	909.0	900.3	893.1	-1.83	-1.36	-1.40	-34.2	-26.0	-40.7	1.69		