

Voltage Controlled Oscillator

ROS-ED9736/1

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	31.72	726.1	722.3	718.3	9.74	9.65	9.14	-14.3	-27.4	-27.0	0.58	1	-82
0.4	30.23	732.2	728.3	724.3	9.70	9.70	9.23	-14.4	-27.2	-27.0	0.52	10	-108
0.6	29.56	738.2	734.3	730.1	9.67	9.73	9.31	-14.7	-27.1	-27.2	0.49	100	-129
0.8	29.28	744.2	740.1	735.9	9.62	9.75	9.36	-15.0	-26.9	-27.4	0.51	1000	-149
1.0	29.15	750.1	745.9	741.5	9.57	9.75	9.40	-15.3	-26.6	-28.0	0.51		
1.2	29.36	756.1	751.8	747.3	9.53	9.74	9.41	-15.7	-26.2	-28.2	0.52		
1.4	29.70	762.2	757.8	753.1	9.50	9.75	9.43	-16.1	-25.9	-28.6	0.56		
1.6	29.95	768.3	763.7	759.0	9.50	9.73	9.42	-16.4	-25.4	-29.1	0.62		
1.8	30.10	774.5	769.8	764.9	9.51	9.73	9.40	-16.8	-24.9	-29.7	0.69		
2.0	30.50	780.7	775.9	770.9	9.54	9.73	9.40	-17.3	-24.2	-30.4	0.80		
2.2	30.89	786.9	782.0	777.0	9.57	9.73	9.41	-17.7	-23.3	-31.6	0.96		
2.4	31.16	793.2	788.3	783.1	9.52	9.74	9.44	-18.2	-22.5	-33.2	1.10		
2.6	31.34	799.6	794.5	789.2	9.43	9.73	9.49	-18.8	-21.7	-35.2	1.20		
2.8	31.20	805.9	800.8	795.3	9.35	9.72	9.54	-19.4	-21.2	-37.3	1.28		
3.0	30.55	812.0	806.9	801.4	9.25	9.71	9.57	-20.2	-20.9	-39.6	1.38		
3.2	29.95	818.0	812.9	807.3	9.16	9.68	9.58	-20.9	-20.7	-40.8	1.40		
3.4	29.30	823.9	818.7	813.0	9.09	9.62	9.56	-21.5	-20.6	-41.5	1.42		
3.6	28.40	829.6	824.4	818.6	9.03	9.57	9.52	-22.0	-20.5	-41.5	1.46		
3.8	27.65	835.1	829.9	824.1	9.02	9.55	9.48	-22.6	-20.5	-41.4	1.45		
4.0	26.55	840.4	835.3	829.3	9.04	9.54	9.45	-23.0	-20.5	-41.0	1.43		
4.2	25.60	845.6	840.4	834.4	9.09	9.59	9.45	-23.5	-20.4	-40.8	1.41		
4.4	24.55	850.5	845.3	839.2	9.16	9.64	9.48	-23.8	-20.4	-40.8	1.39		
4.6	23.45	855.2	850.0	843.8	9.23	9.71	9.52	-24.2	-20.4	-40.4	1.34		
4.8	22.45	859.7	854.5	848.2	9.30	9.78	9.58	-24.4	-20.3	-39.9	1.28		
5.0	21.44	864.0	858.8	852.4	9.35	9.85	9.64	-24.7	-20.2	-39.7	1.22		
5.2	20.31	868.1	862.8	856.3	9.39	9.91	9.70	-24.9	-20.2	-39.7	1.12		
5.4	19.22	872.0	866.7	860.0	9.42	9.95	9.75	-25.1	-20.2	-39.5	1.06		
5.6	18.22	875.7	870.3	863.6	9.44	9.98	9.80	-25.4	-20.2	-39.6	0.99		
5.8	17.30	879.2	873.8	866.9	9.44	10.00	9.84	-25.6	-20.2	-39.6	0.90		
6.0	16.19	882.4	877.0	870.1	9.44	10.01	9.86	-25.8	-20.2	-39.6	0.84		
6.2	15.36	885.5	880.1	873.0	9.43	10.01	9.87	-25.9	-20.2	-39.8	0.77		
6.4	14.48	888.5	883.0	875.8	9.41	10.00	9.88	-26.2	-20.1	-40.1	0.68		
6.6	13.66	891.2	885.7	878.4	9.40	9.99	9.87	-26.4	-20.2	-40.3	0.64		
6.8	12.78	893.8	888.3	880.9	9.38	9.97	9.88	-26.6	-20.1	-40.6	0.57		
7.0	12.16	896.3	890.7	883.2	9.37	9.96	9.86	-26.9	-20.2	-40.8	0.50		
7.2	11.43	898.6	893.0	885.4	9.36	9.94	9.85	-27.1	-20.1	-41.1	0.46		
7.4	10.81	900.9	895.1	887.4	9.35	9.93	9.84	-27.3	-20.2	-41.3	0.42		
7.6	10.19	902.9	897.2	889.4	9.34	9.92	9.82	-27.6	-20.2	-41.5	0.37		
7.8	9.62	904.9	899.1	891.2	9.34	9.91	9.80	-27.9	-20.2	-41.8	0.33		
8.0	9.04	906.8	900.9	892.9	9.34	9.90	9.79	-28.1	-20.3	-42.3	0.31		