

Voltage Controlled Oscillator

ROS-ED10309/1

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			
0.3	18.66	737.1	734.2	732.0	5.44	5.18	4.52	-27.4	-40.7	-46.3	1.30	1	-90
0.5	16.44	741.1	738.3	736.1	5.46	5.17	4.51	-27.4	-40.2	-45.6	1.05	10	-115
0.8	15.32	744.9	742.1	739.9	5.50	5.10	4.51	-27.4	-39.8	-46.4	0.90	100	-135
1.0	14.93	748.6	745.9	743.7	5.54	5.11	4.53	-27.6	-39.6	-49.5	0.82	1000	-155
1.3	14.79	752.3	749.6	747.4	5.52	5.13	4.47	-27.6	-39.7	-49.5	0.80		
1.5	14.89	756.0	753.3	751.1	5.57	5.14	4.50	-27.8	-39.1	-50.1	0.80		
1.8	15.29	759.7	757.1	754.9	5.65	5.11	4.51	-27.9	-39.2	-50.6	0.85		
2.0	15.54	763.5	761.0	758.8	5.72	5.16	4.55	-27.9	-39.1	-50.5	0.94		
2.3	15.61	767.3	764.9	762.7	5.76	5.19	4.58	-28.2	-39.5	-52.3	1.06		
2.5	15.69	771.0	768.8	766.6	5.89	5.27	4.59	-28.3	-39.4	-52.9	1.22		
2.8	15.56	774.6	772.7	770.6	6.01	5.33	4.67	-28.5	-39.7	-51.8	1.38		
3.0	15.35	778.2	776.5	774.4	5.98	5.35	4.74	-28.8	-40.2	-50.1	1.54		
3.3	14.96	781.7	780.3	778.2	6.06	5.24	4.62	-28.6	-40.2	-48.6	1.70		
3.5	14.32	785.1	783.9	781.8	6.29	5.42	4.63	-29.0	-40.7	-47.6	1.82		
3.8	13.52	788.4	787.2	785.1	6.32	5.41	4.80	-29.2	-40.9	-46.8	1.86		
4.0	12.52	791.5	790.4	788.3	6.30	5.42	4.81	-29.4	-41.1	-45.5	1.86		
4.3	11.40	794.4	793.2	791.1	6.26	5.38	4.78	-29.6	-41.9	-44.4	1.78		
4.5	10.16	796.9	795.8	793.6	6.22	5.35	4.74	-29.7	-41.5	-44.0	1.66		
4.8	8.80	799.2	798.0	795.8	6.15	5.29	4.71	-30.0	-41.8	-43.0	1.46		
5.0	7.56	801.0	799.9	797.7	6.11	5.25	4.65	-29.9	-41.5	-42.5	1.24		
5.3	6.28	802.6	801.4	799.3	6.07	5.23	4.62	-30.2	-41.7	-42.3	1.04		
5.5	5.24	803.9	802.7	800.6	6.05	5.20	4.59	-30.1	-42.5	-41.6	0.82		
5.8	4.32	804.9	803.8	801.7	6.02	5.18	4.57	-30.5	-42.0	-41.5	0.64		
6.0	3.52	805.7	804.7	802.5	5.99	5.16	4.55	-30.4	-42.3	-41.7	0.48		
6.3	2.88	806.4	805.4	803.3	5.97	5.15	4.53	-30.4	-42.5	-41.7	0.34		
6.5	2.40	807.0	806.0	803.9	5.96	5.14	4.52	-30.5	-42.0	-41.4	0.24		
6.8	2.04	807.5	806.5	804.4	5.95	5.13	4.51	-30.6	-42.3	-41.5	0.16		
7.0	1.76	807.9	807.0	804.8	5.90	5.12	4.50	-30.6	-42.0	-41.1	0.10		
7.3	1.56	808.3	807.4	805.2	5.89	5.11	4.49	-30.5	-42.4	-41.3	0.06		
7.5	1.36	808.6	807.7	805.6	5.89	5.06	4.48	-30.6	-42.2	-41.4	0.04		
7.8	1.24	808.9	808.0	805.9	5.88	5.05	4.48	-30.6	-42.1	-40.8	0.02		
8.0	1.08	809.2	808.3	806.2	5.88	5.05	4.47	-30.6	-42.6	-41.4	0.00		
8.3	1.04	809.4	808.5	806.4	5.87	5.05	4.46	-30.8	-42.7	-41.0	0.02		
8.5	0.92	809.7	808.8	806.7	5.87	5.04	4.46	-30.6	-42.2	-41.1	0.02		
8.8	0.88	809.9	809.0	806.9	5.86	5.04	4.45	-30.7	-42.7	-40.9	0.02		
9.0	0.84	810.1	809.2	807.1	5.86	5.03	4.45	-30.8	-41.9	-40.9	0.04		
9.3	0.76	810.3	809.4	807.3	5.85	5.03	4.44	-30.8	-42.6	-41.5	0.04		
9.5	0.72	810.4	809.6	807.5	5.85	5.03	4.44	-30.8	-42.9	-40.9	0.04		
9.8	0.72	810.6	809.7	807.6	5.85	5.02	4.39	-30.8	-41.9	-40.7	0.06		
10.0	0.64	810.8	809.9	807.8	5.85	5.02	4.39	-30.9	-42.5	-41.3	0.04		