

Voltage Controlled Oscillator

ROS-ED9767/1

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	32.15	783.3	778.7	776.1	4.63	4.55	3.51	-26.2	-34.7	-41.7	1.00	1	-86
0.4	30.35	789.2	784.8	782.5	4.77	4.52	3.41	-26.7	-34.6	-41.9	0.92	10	-108
0.6	29.90	795.0	790.7	788.6	4.89	4.40	3.31	-27.0	-34.6	-43.1	0.90	100	-128
0.8	30.75	800.7	796.9	794.6	4.93	4.18	3.21	-27.3	-34.4	-45.4	0.82	1000	-147
1.0	31.45	806.7	803.2	800.7	4.69	3.90	3.10	-27.8	-34.3	-46.9	0.70		
1.2	32.34	813.3	809.6	806.9	3.94	3.60	2.98	-28.5	-34.1	-47.7	0.54		
1.4	32.95	820.3	816.2	813.2	3.34	3.31	2.85	-29.3	-34.0	-47.4	0.42		
1.6	33.75	827.3	823.0	819.7	2.93	3.08	2.71	-30.3	-33.8	-47.0	0.34		
1.8	34.24	834.4	829.8	826.3	2.70	2.91	2.61	-31.4	-33.6	-46.3	0.34		
2.0	34.82	841.5	836.8	833.1	2.61	2.83	2.58	-32.3	-33.4	-46.0	0.38		
2.2	35.04	848.7	843.8	839.9	2.63	2.86	2.62	-33.2	-33.2	-45.8	0.48		
2.4	34.91	855.8	850.8	846.8	2.73	2.97	2.73	-34.0	-32.9	-45.2	0.62		
2.6	34.65	862.8	857.7	853.7	2.87	3.12	2.89	-34.5	-32.7	-44.4	0.80		
2.8	33.92	869.6	864.5	860.5	3.03	3.30	3.09	-34.5	-32.3	-43.6	1.04		
3.0	32.98	876.2	871.1	867.1	3.17	3.47	3.28	-34.5	-32.0	-43.2	1.25		
3.2	31.72	882.5	877.4	873.4	3.29	3.62	3.45	-34.0	-31.8	-42.7	1.47		
3.4	30.40	888.6	883.5	879.6	3.39	3.74	3.60	-33.6	-31.4	-42.2	1.71		
3.6	28.86	894.3	889.3	885.4	3.49	3.85	3.71	-33.0	-31.0	-41.6	1.98		
3.8	27.10	899.7	894.7	890.9	3.61	3.95	3.82	-32.5	-30.7	-41.3	2.20		
4.0	25.15	904.6	899.7	896.1	3.75	4.07	3.92	-32.0	-30.5	-41.1	2.37		
4.2	23.53	909.2	904.4	900.9	3.91	4.19	4.03	-31.6	-30.2	-41.0	2.50		
4.4	21.68	913.5	908.8	905.3	4.09	4.34	4.15	-31.3	-30.0	-41.1	2.64		
4.6	19.88	917.4	912.8	909.3	4.27	4.50	4.28	-31.0	-29.7	-41.1	2.69		
4.8	18.40	921.0	916.4	913.1	4.46	4.66	4.43	-30.8	-29.5	-41.5	2.72		
5.0	16.80	924.3	919.8	916.5	4.66	4.82	4.57	-30.6	-29.3	-41.6	2.74		
5.2	15.34	927.3	922.9	919.6	4.83	4.98	4.71	-30.4	-29.1	-42.0	2.68		
5.4	13.95	930.1	925.7	922.3	4.99	5.13	4.83	-30.2	-29.1	-42.4	2.61		
5.6	12.73	932.6	928.2	924.8	5.14	5.26	4.96	-30.2	-29.0	-43.0	2.49		
5.8	11.52	934.9	930.5	927.1	5.27	5.38	5.06	-30.2	-28.9	-44.0	2.39		
6.0	10.35	936.9	932.6	929.1	5.39	5.49	5.16	-30.2	-28.9	-44.6	2.25		
6.2	9.30	938.9	934.4	930.8	5.49	5.58	5.24	-30.2	-28.8	-45.2	2.10		
6.4	8.31	940.6	936.1	932.3	5.58	5.65	5.31	-30.1	-28.9	-46.2	1.95		
6.6	7.34	942.1	937.6	933.7	5.66	5.72	5.37	-30.1	-28.8	-46.6	1.79		
6.8	6.44	943.5	938.9	934.8	5.74	5.78	5.42	-30.2	-28.9	-47.2	1.62		
7.0	5.69	944.7	940.0	935.8	5.83	5.86	5.46	-30.1	-28.9	-47.9	1.45		
7.2	4.93	945.8	941.0	936.7	5.89	5.89	5.49	-30.2	-28.8	-48.5	1.30		
7.4	4.32	946.7	941.8	937.4	5.93	5.93	5.52	-30.3	-28.9	-48.5	1.16		
7.6	3.67	947.6	942.6	938.1	5.98	5.96	5.54	-30.3	-28.9	-48.6	1.04		
7.8	3.19	948.3	943.2	938.6	6.01	5.99	5.56	-30.3	-29.0	-48.7	0.94		
8.0	2.83	949.0	943.8	939.1	6.04	6.01	5.58	-30.4	-29.1	-48.4	0.87		