

Voltage Controlled Oscillator

ROS-ED9891/2

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			
0.1	46.35	722.3	716.5	712.2	-7.23	-7.06	-7.34	-18.0	-32.2	-39.7	0.54	1	-81
0.3	44.69	727.9	722.1	717.7	-7.07	-7.02	-7.22	-19.0	-32.1	-40.1	0.47	10	-103
0.4	43.54	733.3	727.5	723.1	-6.97	-6.87	-7.11	-19.7	-32.0	-40.1	0.42	100	-123
0.5	42.94	738.6	732.9	728.4	-6.82	-6.78	-6.97	-20.6	-32.5	-39.5	0.38	1000	-143
0.6	42.38	743.9	738.2	733.7	-6.65	-6.66	-6.88	-21.3	-32.3	-41.1	0.32		
0.8	42.30	749.2	743.5	738.9	-6.44	-6.51	-6.76	-21.6	-31.9	-41.0	0.32		
0.9	42.26	754.5	748.7	744.2	-6.21	-6.32	-6.60	-21.4	-32.2	-42.4	0.32		
1.0	42.07	759.7	754.0	749.4	-5.95	-6.13	-6.43	-20.8	-32.5	-42.0	0.30		
1.1	42.57	765.1	759.3	754.6	-5.70	-5.89	-6.25	-19.8	-33.0	-42.4	0.34		
1.3	42.49	770.4	764.6	759.9	-5.38	-5.67	-6.03	-18.8	-32.9	-43.6	0.36		
1.4	42.86	775.8	770.0	765.2	-5.15	-5.36	-5.82	-18.0	-33.2	-43.8	0.40		
1.5	43.36	781.4	775.4	770.5	-5.15	-5.13	-5.57	-17.7	-32.7	-43.9	0.42		
1.6	43.92	787.0	780.9	775.9	-4.91	-5.12	-5.31	-17.6	-33.3	-44.4	0.44		
1.8	45.13	792.8	786.5	781.4	-4.91	-4.85	-5.29	-17.4	-32.9	-44.9	0.44		
1.9	45.60	798.7	792.2	787.0	-5.00	-4.81	-5.02	-17.6	-32.6	-44.1	0.42		
2.0	46.55	804.7	798.1	792.7	-5.10	-4.87	-4.97	-17.7	-32.0	-43.4	0.38		
2.1	46.88	810.7	803.9	798.4	-5.24	-4.94	-5.02	-18.1	-31.7	-44.2	0.36		
2.3	47.20	816.8	809.8	804.2	-5.36	-5.06	-5.06	-18.6	-31.4	-43.5	0.34		
2.4	47.76	822.8	815.8	810.0	-5.49	-5.16	-5.16	-18.9	-31.6	-43.9	0.30		
2.5	47.59	828.9	821.7	815.9	-5.52	-5.23	-5.25	-19.5	-31.0	-44.8	0.32		
2.6	47.61	835.0	827.7	821.7	-5.51	-5.31	-5.30	-19.9	-31.1	-44.8	0.28		
2.8	47.12	840.9	833.6	827.5	-5.48	-5.30	-5.37	-20.5	-31.0	-44.9	0.24		
2.9	47.20	846.9	839.5	833.3	-5.44	-5.27	-5.35	-21.1	-30.8	-44.9	0.24		
3.0	46.24	852.7	845.3	839.1	-5.44	-5.23	-5.33	-21.6	-30.9	-44.0	0.22		
3.1	45.73	858.4	851.0	844.7	-5.42	-5.13	-5.29	-22.3	-31.0	-44.3	0.24		
3.3	45.31	864.1	856.6	850.4	-5.41	-5.18	-5.18	-22.9	-30.7	-45.0	0.26		
3.4	44.30	869.7	862.2	855.9	-5.41	-5.17	-5.21	-23.5	-30.6	-43.6	0.22		
3.5	43.51	875.1	867.6	861.3	-5.44	-5.19	-5.20	-24.2	-30.8	-44.8	0.24		
3.6	42.62	880.4	872.9	866.6	-5.44	-5.22	-5.21	-24.9	-30.8	-45.3	0.24		
3.8	41.77	885.6	878.2	871.9	-5.40	-5.23	-5.23	-25.9	-30.6	-45.0	0.24		
3.9	40.78	890.7	883.3	877.0	-5.37	-5.19	-5.26	-26.5	-30.0	-45.8	0.24		
4.0	39.83	895.6	888.2	882.0	-5.29	-5.18	-5.27	-27.2	-30.5	-45.3	0.26		
4.1	38.94	900.5	893.1	886.8	-5.13	-5.11	-5.23	-28.1	-30.6	-45.1	0.26		
4.3	37.54	905.1	897.8	891.6	-5.01	-4.98	-5.20	-28.7	-30.5	-45.6	0.24		
4.4	36.55	909.6	902.4	896.1	-4.86	-4.92	-5.12	-29.4	-30.2	-46.1	0.27		
4.5	35.68	914.0	906.8	900.6	-4.70	-4.80	-4.98	-30.1	-30.5	-45.7	0.24		
4.6	34.41	918.3	911.1	904.9	-4.55	-4.66	-4.87	-30.0	-30.8	-46.2	0.24		
4.8	33.51	922.4	915.3	909.1	-4.49	-4.51	-4.73	-30.6	-30.5	-45.4	0.22		
4.9	32.32	926.4	919.4	913.2	-4.38	-4.37	-4.59	-31.6	-30.2	-46.0	0.21		
5.0	31.31	930.2	923.3	917.1	-4.27	-4.26	-4.52	-31.3	-30.4	-46.2	0.17		