

Voltage Controlled Oscillator

ROS-ED9929/1

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			
0.1	60.80	3792.4	3749.5	3714.3	4.87	4.58	4.25	-31.9	-29.4	-45.1	0.66	1	-67
0.3	51.44	3797.8	3755.9	3720.5	5.02	4.59	4.19	-31.7	-30.2	-44.8	0.38	10	-91
0.4	44.40	3803.1	3761.5	3726.2	4.88	4.53	4.12	-31.4	-29.7	-45.1	0.28	100	-112
0.5	41.60	3808.3	3766.7	3731.7	4.85	4.49	4.05	-31.4	-29.3	-44.6	0.28	1000	-131
0.6	40.88	3813.4	3771.8	3737.0	4.83	4.47	3.99	-30.9	-28.9	-44.9	0.20		
0.8	39.68	3818.4	3776.8	3742.1	4.81	4.46	3.92	-30.6	-28.2	-45.6	0.10		
0.9	38.80	3823.4	3781.6	3747.0	4.79	4.43	3.86	-31.1	-28.6	-45.5	0.00		
1.0	37.92	3828.4	3786.4	3751.9	4.77	4.40	3.79	-30.8	-28.7	-45.4	0.10		
1.1	38.00	3833.8	3791.1	3757.0	4.68	4.37	3.76	-30.6	-29.4	-45.4	0.14		
1.3	38.00	3839.1	3795.9	3762.4	4.69	4.36	3.66	-30.5	-30.1	-45.8	0.18		
1.4	38.48	3844.0	3800.7	3767.9	4.65	4.46	3.64	-30.6	-30.5	-45.7	0.32		
1.5	38.00	3848.7	3805.4	3772.8	4.56	4.32	3.64	-30.3	-30.5	-44.9	0.44		
1.6	39.52	3853.5	3810.4	3777.5	4.52	4.30	3.59	-29.8	-30.4	-44.2	0.52		
1.8	39.60	3858.4	3815.3	3782.1	4.45	4.27	3.55	-29.6	-29.7	-44.9	0.62		
1.9	39.60	3863.4	3820.3	3786.9	4.32	4.24	3.53	-29.2	-29.8	-45.1	0.70		
2.0	40.08	3868.5	3825.3	3791.7	4.29	4.20	3.48	-28.8	-30.5	-44.6	0.70		
2.1	41.44	3873.6	3830.4	3796.6	4.20	4.16	3.45	-28.9	-31.5	-44.9	0.80		
2.3	44.00	3878.8	3835.9	3801.7	4.11	4.07	3.54	-28.7	-32.0	-44.8	0.94		
2.4	46.96	3884.1	3841.8	3806.8	4.02	4.03	3.39	-28.8	-32.4	-45.0	0.94		
2.5	45.04	3889.6	3847.4	3812.0	3.92	3.99	3.35	-28.7	-31.5	-44.9	0.94		
2.6	44.00	3895.3	3852.9	3817.5	3.78	3.90	3.34	-27.9	-31.0	-44.2	1.04		
2.8	43.68	3901.2	3858.4	3823.2	3.78	3.80	3.29	-27.7	-31.0	-44.8	1.10		
2.9	45.12	3907.0	3864.0	3828.9	3.59	3.64	3.23	-27.3	-31.4	-44.8	1.04		
3.0	45.28	3912.8	3869.7	3834.5	3.47	3.57	3.12	-27.0	-32.2	-44.9	1.04		
3.1	46.80	3918.8	3875.6	3840.2	3.39	3.48	3.08	-27.0	-32.7	-44.4	1.02		
3.3	47.20	3925.2	3881.5	3846.0	3.27	3.38	2.99	-26.6	-32.1	-44.2	1.00		
3.4	47.28	3931.8	3887.4	3852.3	3.48	3.26	2.85	-26.9	-31.9	-44.4	0.90		
3.5	48.72	3937.9	3893.5	3858.8	3.15	3.11	2.76	-27.2	-32.1	-43.3	0.84		
3.6	50.00	3944.1	3899.7	3864.9	3.22	3.08	2.60	-26.8	-32.7	-43.9	0.84		
3.8	48.80	3950.2	3905.8	3870.8	2.99	2.88	2.53	-26.5	-33.7	-43.2	0.72		
3.9	48.00	3956.3	3911.8	3876.7	2.90	2.75	2.41	-26.5	-34.1	-43.0	0.72		
4.0	48.32	3962.5	3917.8	3882.7	2.82	2.69	2.25	-26.1	-33.5	-43.9	0.52		
4.1	49.28	3968.6	3924.0	3888.6	2.76	2.58	2.13	-26.0	-33.5	-43.1	0.52		
4.3	50.00	3974.6	3930.3	3894.6	2.67	2.75	2.00	-25.9	-33.7	-43.2	0.42		
4.4	50.00	3980.7	3936.5	3900.4	2.48	2.39	1.97	-25.5	-35.6	-43.2	0.42		
4.5	47.20	3986.8	3942.4	3906.3	2.44	2.30	1.75	-24.8	-35.9	-43.0	0.30		
4.6	45.60	3992.7	3948.1	3912.2	2.11	2.24	1.59	-24.9	-37.1	-42.0	0.22		
4.8	45.20	3998.5	3953.8	3918.1	2.09	2.16	1.50	-24.8	-37.4	-42.5	0.10		
4.9	44.80	4004.0	3959.4	3923.6	2.12	2.08	1.37	-24.3	-39.6	-43.7	0.10		
5.0	44.00	4009.6	3964.9	3929.1	2.02	1.98	1.55	-24.8	-36.8	-42.8	0.00		
5.1	42.80	4015.2	3970.2	3934.4	1.69	1.92	1.17	-24.6	-36.8	-42.4	0.10		
5.3	42.00	4020.7	3975.5	3939.6	1.75	1.84	1.07	-24.5	-37.2	-42.4	0.10		
5.4	42.00	4026.0	3980.7	3945.0	1.62	1.66	1.11	-24.6	-39.2	-42.2	0.00		
5.5	41.20	4031.1	3985.9	3950.2	1.49	1.63	0.87	-24.7	-39.1	-42.4	0.10		
5.6	40.40	4036.0	3990.9	3955.1	1.38	1.52	0.79	-24.8	-41.3	-42.4	0.20		
5.8	38.00	4040.7	3995.7	3959.8	1.21	1.22	0.70	-24.5	-39.7	-41.7	0.30		
5.9	36.00	4045.4	4000.2	3964.3	1.08	1.21	0.59	-24.0	-37.8	-37.0	0.30		
6.0	34.80	4049.9	4004.5	3968.7	1.06	1.26	0.52	-24.3	-38.9	-38.0	0.3		