

Voltage Controlled Oscillator

ROS-ED9928/1

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	55.20	3688.9	3653.0	3628.2	4.03	4.16	3.66	-28.8	-37.4	-43.5	2.78	1	-65
0.3	56.32	3695.0	3660.0	3634.2	4.04	4.22	3.79	-28.7	-35.2	-44.1	2.78	10	-90
0.4	48.64	3700.8	3666.1	3639.9	4.04	4.27	3.87	-28.8	-34.1	-43.4	2.68	100	-110
0.5	45.04	3706.4	3671.7	3645.3	4.04	4.34	3.90	-28.4	-33.9	-44.1	2.58	1000	-130
0.6	42.96	3712.0	3677.1	3650.5	4.02	4.38	3.97	-28.4	-33.5	-44.3	2.60		
0.8	41.84	3717.4	3682.3	3655.5	4.03	4.41	4.05	-28.6	-33.5	-43.7	2.58		
0.9	40.72	3722.7	3687.4	3660.5	3.92	4.42	4.09	-28.5	-32.3	-44.5	2.60		
1.0	40.08	3727.9	3692.4	3665.6	3.90	4.42	4.11	-28.8	-32.2	-43.8	2.50		
1.1	39.68	3733.1	3697.4	3670.9	3.87	4.41	4.14	-29.1	-31.9	-45.1	2.52		
1.3	39.52	3738.4	3702.3	3675.8	3.85	4.40	4.17	-29.2	-31.5	-45.3	2.50		
1.4	40.16	3744.0	3707.3	3680.6	3.84	4.38	4.18	-29.1	-31.7	-45.2	2.52		
1.5	40.08	3749.7	3712.4	3685.3	3.83	4.34	4.19	-29.6	-31.8	-45.1	2.52		
1.6	40.00	3755.1	3717.4	3689.9	3.89	4.33	4.18	-29.4	-31.8	-44.9	2.44		
1.8	40.72	3760.5	3722.4	3694.7	3.87	4.29	4.16	-29.2	-31.9	-44.6	2.52		
1.9	40.48	3765.8	3727.5	3699.4	3.88	4.18	4.14	-29.2	-31.6	-45.3	2.42		
2.0	41.20	3771.2	3732.7	3704.3	3.89	4.14	4.10	-29.0	-31.2	-45.4	2.44		
2.1	42.40	3776.7	3738.0	3709.2	3.90	4.11	4.05	-29.5	-30.7	-44.1	2.46		
2.3	44.00	3782.3	3743.5	3714.3	3.89	4.08	4.03	-29.7	-30.6	-44.3	2.52		
2.4	46.96	3787.9	3749.3	3719.4	3.91	4.06	3.99	-29.8	-31.5	-44.6	2.50		
2.5	46.32	3793.7	3755.1	3724.6	3.93	4.10	3.93	-29.6	-31.6	-44.5	2.28		
2.6	45.20	3799.7	3760.8	3729.9	4.07	4.06	3.89	-29.8	-31.8	-45.5	2.16		
2.8	45.20	3805.7	3766.4	3735.3	3.96	4.05	3.84	-29.5	-31.2	-45.3	2.10		
2.9	45.92	3811.7	3772.2	3740.8	3.95	4.04	3.79	-29.7	-30.4	-45.2	1.90		
3.0	46.00	3817.8	3777.9	3746.4	3.97	4.05	3.76	-30.1	-29.8	-44.4	1.90		
3.1	46.00	3824.0	3783.7	3752.0	3.96	4.04	3.72	-29.8	-30.3	-44.3	1.62		
3.3	46.88	3830.2	3789.5	3757.9	3.93	4.02	3.68	-30.2	-30.1	-45.0	1.54		
3.4	47.52	3836.6	3795.5	3763.8	3.85	4.03	3.64	-30.6	-31.6	-45.2	1.42		
3.5	47.20	3842.9	3801.4	3769.7	3.86	4.14	3.63	-30.3	-32.5	-45.5	1.32		
3.6	46.80	3849.0	3807.2	3775.3	3.78	4.00	3.62	-30.9	-32.1	-44.3	1.14		
3.8	46.48	3855.1	3813.0	3780.9	3.76	4.03	3.59	-30.6	-31.0	-44.7	0.94		
3.9	46.72	3861.0	3818.9	3786.5	3.69	3.98	3.57	-30.2	-31.1	-44.4	0.84		
4.0	46.80	3866.9	3824.7	3792.1	3.57	3.95	3.56	-30.1	-31.4	-43.4	0.82		
4.1	45.92	3872.7	3830.4	3797.6	3.51	3.92	3.71	-30.0	-32.6	-43.8	0.60		
4.3	45.68	3878.4	3836.2	3803.0	3.42	3.84	3.57	-30.4	-33.7	-44.7	0.60		
4.4	46.00	3884.1	3841.9	3808.4	3.36	3.83	3.55	-30.2	-32.9	-44.6	0.52		
4.5	44.32	3889.6	3847.4	3813.6	3.28	3.78	3.52	-30.5	-32.2	-44.1	0.40		
4.6	42.88	3895.0	3852.8	3818.9	3.18	3.71	3.48	-30.3	-31.6	-45.0	0.38		
4.8	41.60	3900.3	3858.0	3824.0	3.18	3.63	3.45	-30.4	-31.2	-44.3	0.38		
4.9	40.88	3905.5	3863.1	3829.1	3.01	3.50	3.41	-29.6	-32.3	-43.7	0.28		
5.0	39.20	3910.6	3868.0	3834.0	2.91	3.47	3.32	-29.8	-32.8	-43.7	0.30		
5.1	38.40	3915.5	3872.8	3838.8	2.87	3.38	3.31	-29.7	-33.0	-44.6	0.20		
5.3	37.92	3920.3	3877.6	3843.5	2.87	3.31	3.25	-30.1	-33.0	-43.9	0.20		
5.4	36.80	3925.0	3882.2	3848.0	2.78	3.27	3.16	-30.4	-32.5	-43.9	0.30		
5.5	36.00	3929.7	3886.7	3852.5	3.01	3.19	3.12	-30.4	-31.3	-43.8	0.20		
5.6	34.40	3934.1	3891.0	3856.9	2.71	3.11	3.06	-30.4	-31.6	-43.7	0.30		
5.8	33.68	3938.4	3895.2	3861.0	2.68	3.02	2.98	-30.9	-32.6	-43.5	0.30		
5.9	32.72	3942.5	3899.3	3865.0	2.63	3.03	2.85	-30.8	-33.2	-43.5	0.20		
6.0	31.60	3946.45	3903.2	3868.85	2.75	2.86	2.83	-30.8	-33.6	-43.4	0.30		