

Voltage Controlled Oscillator

ROS-ED8976/3

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	33.00	3564.3	3539.4	3517.6	8.69	8.97	8.74	-27.1	-29.6	-42.9	1.85	1	-60
0.5	35.72	3573.8	3548.3	3526.6	8.95	9.25	8.99	-26.3	-29.9	-43.0	2.11	10	-92
0.8	37.96	3584.8	3557.8	3536.4	9.12	9.52	9.37	-25.8	-30.3	-43.7	2.20	100	-112
1.0	37.56	3596.3	3567.2	3547.0	9.57	9.81	9.66	-25.1	-30.2	-44.4	2.25	1000	-132
1.3	39.72	3607.2	3577.1	3556.9	9.88	10.01	9.84	-24.7	-30.2	-43.3	2.57		
1.5	46.00	3619.7	3588.6	3567.1	10.05	10.13	10.05	-25.1	-30.4	-43.5	2.96		
1.8	46.80	3633.4	3600.3	3577.3	10.47	10.58	10.26	-24.4	-30.4	-45.5	2.96		
2.0	45.84	3645.2	3611.8	3588.3	10.82	10.83	10.40	-23.6	-30.8	-44.8	3.16		
2.3	53.04	3657.0	3625.0	3600.7	11.18	10.94	10.77	-23.7	-32.1	-44.6	4.37		
2.5	56.60	3670.9	3639.2	3612.6	11.38	11.33	11.02	-23.6	-37.4	-44.7	3.56		
2.8	46.48	3684.5	3650.8	3624.2	11.53	11.62	11.06	-22.8	-36.4	-44.5	3.29		
3.0	47.24	3696.4	3662.6	3637.6	11.64	11.86	11.32	-22.5	-32.4	-44.5	3.33		
3.3	51.96	3709.6	3675.6	3651.2	11.58	11.95	11.53	-23.6	-31.2	-45.7	3.20		
3.5	49.00	3725.2	3687.9	3662.5	11.57	11.99	11.77	-24.1	-29.5	-46.4	2.37		
3.8	44.40	3736.6	3699.0	3674.0	11.65	11.99	11.86	-23.9	-29.9	-45.3	1.89		
4.0	47.40	3748.6	3710.8	3685.8	11.59	11.91	11.85	-24.7	-29.1	-45.2	1.35		
4.3	54.08	3761.1	3724.3	3697.3	11.55	11.76	11.81	-25.3	-28.0	-46.1	0.72		
4.5	46.88	3772.7	3736.1	3707.9	11.56	11.75	11.67	-25.3	-28.0	-45.6	0.03		
4.8	42.40	3783.9	3746.7	3719.1	11.55	11.69	11.54	-25.3	-27.4	-45.0	0.64		
5.0	44.68	3795.8	3757.8	3730.8	11.48	11.59	11.38	-26.1	-27.3	-45.4	1.38		
5.3	44.52	3807.9	3769.0	3743.5	11.40	11.50	11.23	-26.8	-26.8	-45.4	1.97		
5.5	42.24	3821.0	3779.5	3753.8	11.33	11.44	11.20	-27.3	-26.8	-46.2	2.39		
5.8	41.12	3831.5	3789.8	3764.0	11.24	11.36	11.06	-27.7	-26.7	-46.4	2.97		
6.0	42.84	3842.2	3800.5	3774.2	11.07	11.35	10.94	-28.5	-27.3	-45.0	3.33		
6.3	40.56	3852.6	3810.6	3784.4	10.84	11.12	10.85	-29.4	-27.7	-45.7	3.78		
6.5	48.68	3862.6	3822.8	3793.7	10.54	10.96	10.77	-29.5	-27.8	-44.8	4.02		
6.8	37.76	3872.1	3832.3	3802.7	10.35	10.81	10.64	-30.2	-28.4	-44.2	3.60		
7.0	35.20	3881.4	3841.1	3811.6	10.06	10.63	10.42	-30.6	-28.7	-43.9	3.74		
7.3	34.40	3890.1	3849.7	3819.8	9.79	10.37	10.29	-31.3	-29.4	-44.1	3.73		
7.5	33.00	3898.0	3857.9	3828.5	9.59	10.15	10.08	-31.7	-29.1	-43.0	3.64		
7.8	31.40	3909.7	3865.8	3838.7	9.15	9.86	9.84	-32.5	-29.1	-44.4	3.58		
8.0	29.20	3917.9	3873.1	3846.1	8.98	9.64	9.65	-33.4	-29.0	-43.8	3.38		
8.3	27.60	3924.7	3880.0	3852.8	8.78	9.40	9.42	-32.7	-29.5	-43.5	3.20		
8.5	26.20	3931.2	3886.5	3859.3	8.87	9.15	9.18	-34.1	-29.4	-43.0	3.15		
8.8	24.20	3937.3	3892.6	3865.4	8.43	8.88	8.90	-35.4	-30.2	-43.1	2.79		
9.0	20.60	3942.9	3897.7	3871.0	8.43	8.80	8.73	-35.5	-30.3	-42.4	2.30		
9.3	18.20	3948.1	3902.3	3876.1	8.11	8.62	8.52	-36.1	-31.1	-42.5	2.23		
9.5	21.20	3952.9	3907.6	3880.9	7.97	8.23	8.30	-37.3	-31.7	-42.7	3.18		
9.8	31.60	3957.3	3915.5	3885.2	7.78	7.92	8.09	-37.8	-32.5	-42.9	2.94		
10.0	20.20	3961.2	3920.5	3889.2	7.66	7.77	7.88	-37.9	-32.6	-42.4	1.94		