

Voltage Controlled Oscillator

ROS-ED8846/1

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			
0.4	40.13	3699.2	3660.0	3624.5	6.91	6.42	5.77	-28.8	-37.0	-48.0	0.67	1	-55
0.8	35.70	3713.6	3674.2	3638.9	6.86	6.61	5.94	-28.3	-36.8	-47.6	0.73	10	-85
1.2	34.12	3727.6	3687.9	3652.4	6.81	6.67	6.10	-27.6	-35.1	-48.1	0.81	100	-112
1.6	35.08	3742.0	3701.9	3665.7	6.89	6.70	6.33	-27.0	-34.5	-48.2	0.84	1000	-132
2.0	36.95	3757.2	3716.7	3679.6	7.02	6.65	6.48	-26.4	-35.5	-47.8	0.90		
2.4	38.43	3773.3	3732.1	3694.3	7.25	6.63	6.51	-25.3	-34.9	-47.3	0.90		
2.8	40.13	3790.0	3748.1	3709.9	7.43	6.67	6.47	-24.9	-35.0	-48.5	0.84		
3.2	40.00	3806.7	3764.1	3725.6	7.44	6.85	6.42	-25.0	-35.3	-47.9	0.70		
3.6	39.35	3823.2	3779.9	3741.0	7.32	7.05	6.42	-25.1	-34.0	-48.5	0.57		
4.0	37.72	3838.7	3794.9	3755.6	7.13	7.16	6.53	-25.5	-35.4	-48.1	0.46		
4.4	35.28	3853.1	3809.1	3769.3	6.99	7.15	6.68	-25.4	-34.8	-48.2	0.37		
4.8	33.23	3866.3	3822.3	3782.2	6.97	7.05	6.80	-25.3	-34.9	-48.2	0.36		
5.2	30.25	3878.7	3834.4	3794.0	7.04	6.89	6.90	-25.4	-35.8	-47.7	0.36		
5.6	27.93	3890.0	3845.6	3804.9	7.13	6.75	6.89	-25.5	-35.5	-48.9	0.34		
6.0	25.20	3900.5	3855.7	3815.0	7.24	6.66	6.83	-25.5	-34.4	-48.3	0.34		
6.4	23.12	3910.0	3864.9	3824.2	7.34	6.62	6.72	-25.5	-34.4	-48.5	0.39		
6.8	21.15	3918.6	3873.4	3832.6	7.37	6.63	6.57	-25.7	-34.5	-47.4	0.29		
7.2	19.03	3926.5	3881.0	3840.1	7.38	6.65	6.49	-26.3	-34.2	-48.9	0.29		
7.6	17.35	3933.5	3888.0	3846.8	7.36	6.73	6.41	-26.4	-33.8	-48.5	0.26		
8.0	15.23	3939.7	3894.0	3852.7	7.33	6.77	6.33	-26.8	-34.5	-48.2	0.24		
8.4	13.52	3945.0	3899.5	3857.9	7.27	6.81	6.28	-26.8	-35.4	-48.5	0.27		
8.8	11.63	3949.6	3904.1	3862.4	7.19	6.85	6.25	-26.6	-35.7	-48.5	0.27		
9.2	9.87	3953.7	3908.1	3866.2	7.12	6.87	6.23	-27.0	-36.1	-48.4	0.28		
9.6	8.50	3957.1	3911.5	3869.5	7.12	6.85	6.22	-26.8	-36.1	-48.6	0.36		
10.0	7.50	3960.0	3914.5	3872.3	7.05	6.89	6.21	-26.9	-35.6	-48.3	0.38		
10.4	6.38	3962.4	3917.0	3874.8	7.03	6.88	6.22	-26.8	-36.3	-48.3	0.48		
10.8	5.37	3964.5	3919.2	3876.8	6.95	6.90	6.21	-27.0	-35.9	-48.5	0.53		
11.2	4.50	3966.3	3921.0	3878.6	6.92	6.90	6.24	-26.9	-35.8	-47.3	0.56		
11.6	4.13	3967.8	3922.6	3880.2	6.84	6.91	6.23	-26.9	-35.7	-48.7	0.56		
12.0	3.50	3969.2	3924.0	3881.6	6.83	6.91	6.22	-26.9	-36.1	-47.7	0.56		
12.4	3.00	3970.4	3925.2	3882.8	6.83	6.91	6.26	-26.9	-36.0	-49.2	0.59		
12.8	2.75	3971.5	3926.3	3883.8	6.82	6.90	6.26	-27.0	-36.3	-48.5	0.59		
13.2	2.50	3972.5	3927.3	3884.9	6.81	6.90	6.25	-27.1	-36.4	-48.0	0.64		
13.6	2.37	3973.4	3928.3	3885.8	6.74	6.90	6.25	-27.0	-36.3	-48.6	0.64		
14.0	2.00	3974.2	3929.1	3886.7	6.74	6.89	6.24	-26.9	-35.9	-48.8	0.66		
14.4	2.10	3974.9	3929.9	3887.8	6.72	6.89	6.26	-26.9	-36.4	-48.6	0.64		
14.8	1.65	3975.6	3930.6	3888.8	6.73	6.88	6.27	-26.9	-36.6	-48.1	0.61		
15.2	1.62	3976.3	3931.2	3889.5	6.72	6.88	6.27	-26.7	-36.2	-48.5	0.61		
15.6	1.63	3976.9	3931.9	3890.1	6.72	6.88	6.27	-26.8	-36.3	-48.6	0.64		
16.0	1.50	3977.5	3932.5	3890.7	6.66	6.88	6.27	-26.7	-36.2	-47.9	0.61		