

# Voltage Controlled Oscillator

# ROS-ED9852/1

## 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			
0.3	130.12	2862.9	2836.5	2815.6	0.46	0.73	0.36	-25.9	-41.7	-43.3	1.20	1	-70
0.5	112.12	2889.6	2864.5	2844.2	0.64	1.04	0.89	-24.2	-42.8	-42.1	2.06	10	-94
0.8	98.00	2913.7	2889.0	2869.2	0.59	1.24	1.15	-23.8	-44.4	-42.4	2.86	100	-116
1.0	89.96	2936.3	2911.5	2891.7	0.51	1.21	1.35	-23.5	-43.8	-42.0	3.44	1000	-136
1.3	84.76	2957.3	2932.7	2912.6	0.53	1.11	1.28	-21.3	-44.0	-41.0	4.04		
1.5	79.64	2976.9	2952.6	2932.2	0.90	1.09	1.27	-20.8	-43.0	-40.9	4.54		
1.8	74.24	2995.1	2971.2	2950.9	1.16	1.37	1.18	-21.0	-43.9	-41.3	4.86		
2.0	70.40	3012.6	2988.8	2968.4	1.40	1.76	1.38	-20.3	-42.4	-41.9	5.34		
2.3	66.28	3029.5	3005.4	2985.1	1.50	1.91	1.73	-20.6	-40.0	-42.8	5.54		
2.5	65.12	3046.1	3021.6	3000.9	1.67	2.07	1.61	-20.3	-40.5	-42.6	5.98		
2.8	64.16	3062.2	3037.7	3016.4	1.75	2.20	2.03	-20.3	-40.3	-42.3	6.30		
3.0	62.28	3077.7	3053.3	3031.8	1.76	2.26	2.12	-20.4	-40.0	-44.3	6.58		
3.3	60.52	3092.8	3068.4	3046.8	1.77	2.29	2.26	-20.4	-40.8	-43.2	6.74		
3.5	58.80	3107.7	3083.1	3061.5	1.97	2.28	2.31	-20.2	-40.2	-41.7	6.90		
3.8	57.52	3122.4	3097.5	3075.7	1.86	2.30	2.29	-20.1	-39.4	-39.8	7.10		
4.0	56.56	3137.2	3111.6	3089.6	1.95	2.47	2.25	-20.6	-40.1	-38.5	7.20		
4.3	56.32	3151.7	3125.7	3103.2	2.07	2.45	2.23	-20.8	-40.7	-37.6	7.18		
4.5	55.12	3165.7	3139.5	3116.5	2.20	2.43	2.27	-21.0	-39.6	-36.7	7.00		
4.8	53.20	3179.1	3152.8	3129.5	2.18	2.55	2.33	-21.1	-40.2	-36.3	6.52		
5.0	50.40	3192.0	3165.4	3142.1	2.20	2.61	2.37	-21.1	-39.5	-36.3	5.96		
5.3	47.36	3204.3	3177.2	3153.9	2.44	2.69	2.48	-21.7	-38.3	-37.4	5.28		
5.5	44.48	3215.9	3188.3	3165.0	2.46	2.59	2.54	-21.5	-38.2	-37.8	4.80		
5.8	41.60	3226.8	3198.7	3175.2	2.45	2.61	2.62	-21.7	-39.2	-37.8	4.32		
6.0	38.56	3236.8	3208.4	3184.5	2.40	2.82	2.64	-22.1	-39.4	-36.7	4.00		
6.3	35.52	3245.9	3217.2	3193.2	2.36	2.84	2.27	-22.4	-38.8	-36.4	3.76		
6.5	32.32	3254.1	3225.3	3201.0	2.27	2.79	2.51	-22.5	-38.8	-36.3	3.60		
6.8	28.96	3261.4	3232.6	3208.0	2.27	2.72	2.70	-22.6	-38.7	-35.0	3.60		
7.0	25.76	3267.8	3239.0	3214.4	2.24	2.70	2.71	-23.1	-38.6	-35.5	3.84		
7.3	22.56	3273.4	3244.6	3219.9	2.25	2.69	2.69	-22.9	-38.8	-36.0	4.12		
7.5	19.60	3278.2	3249.5	3224.7	2.31	2.63	2.66	-22.8	-38.3	-36.6	4.52		
7.8	16.88	3282.2	3253.8	3228.9	2.29	2.59	2.66	-23.0	-37.0	-35.2	5.00		
8.0	14.24	3285.6	3257.3	3232.4	2.24	2.60	2.69	-22.9	-38.4	-35.0	5.44		
8.3	12.08	3288.5	3260.3	3235.5	2.25	2.57	2.61	-23.1	-38.6	-34.9	5.96		
8.5	10.48	3291.0	3263.0	3238.1	2.25	2.58	2.55	-23.4	-38.6	-34.4	6.36		
8.8	8.96	3293.1	3265.2	3240.3	2.30	2.58	2.57	-23.3	-38.2	-34.0	6.72		
9.0	7.68	3295.0	3267.1	3242.2	2.30	2.57	2.57	-23.3	-39.2	-34.3	6.92		
9.3	6.72	3296.6	3268.8	3243.9	2.28	2.54	2.54	-23.2	-38.7	-34.4	7.14		
9.5	5.92	3298.8	3270.3	3245.4	2.21	2.53	2.54	-23.1	-39.5	-34.1	7.30		
9.8	5.52	3313.1	3271.7	3246.7	1.14	2.53	2.55	-23.3	-38.8	-34.3	7.46		