

# Voltage Controlled Oscillator

# ROS-3044+

## 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			
0.00	75.75	2814.0	2800.5	2790.1	6.88	6.78	6.16	-29.92	-27.29	-56.34	2.55	1	-77
0.25	70.58	2832.7	2819.4	2809.5	7.10	7.04	6.45	-30.93	-26.97	-57.52	1.96	10	-104
0.50	68.24	2850.5	2837.1	2827.2	7.31	7.21	6.68	-33.20	-27.03	-56.49	1.67	100	-126
0.75	67.35	2867.7	2854.1	2844.1	7.48	7.39	6.82	-35.01	-27.03	-55.22	1.49	1000	-146
1.00	66.37	2884.1	2871.0	2860.8	7.72	7.54	6.95	-36.22	-27.86	-55.58	1.38		
1.25	64.90	2900.2	2887.5	2877.4	7.90	7.71	7.10	-41.33	-27.70	-57.83	1.28		
1.50	64.94	2916.5	2903.8	2893.7	8.02	7.86	7.26	-48.59	-28.78	-57.12	1.19		
1.75	66.89	2933.5	2920.0	2909.8	8.11	7.98	7.40	-45.78	-28.97	-57.42	1.12		
2.00	68.98	2950.8	2936.7	2926.1	8.20	8.05	7.48	-37.33	-30.20	-58.97	1.02		
2.25	70.43	2968.2	2954.0	2943.0	8.32	8.10	7.53	-33.13	-30.68	-58.97	0.92		
2.50	71.20	2985.6	2971.6	2960.3	8.41	8.15	7.57	-32.52	-32.65	-59.72	0.85		
2.75	71.24	3003.2	2989.4	2978.1	8.48	8.20	7.61	-30.79	-31.81	-58.19	0.82		
3.00	70.85	3021.0	3007.2	2995.9	8.50	8.26	7.67	-28.72	-33.26	-56.43	0.87		
3.25	71.84	3039.3	3024.9	3013.8	8.48	8.33	7.71	-27.89	-32.12	-58.30	1.03		
3.50	71.97	3057.5	3042.9	3031.5	8.54	8.33	7.74	-26.37	-33.53	-60.32	1.28		
3.75	70.50	3075.2	3060.9	3049.5	8.59	8.35	7.74	-25.52	-32.90	-59.52	1.64		
4.00	67.24	3092.2	3078.5	3067.3	8.64	8.31	7.74	-25.64	-34.25	-59.77	2.09		
4.25	62.11	3108.2	3095.3	3084.5	8.65	8.31	7.71	-25.40	-32.88	-62.13	2.52		
4.50	56.38	3123.3	3110.8	3100.7	8.61	8.31	7.69	-24.24	-33.79	-59.93	2.83		
4.75	52.03	3137.7	3124.9	3115.3	8.54	8.30	7.69	-23.61	-32.91	-61.99	3.07		
5.00	47.78	3151.0	3137.9	3128.4	8.50	8.25	7.67	-23.34	-32.63	-60.54	3.19		
5.25	42.69	3162.8	3149.9	3140.4	8.47	8.22	7.60	-23.26	-33.92	-63.21	3.16		
5.50	36.83	3173.0	3160.5	3151.1	8.48	8.18	7.56	-22.92	-33.89	-60.78	2.92		
5.75	31.20	3181.6	3169.7	3160.5	8.49	8.17	7.51	-22.47	-33.64	-62.76	2.57		
6.00	26.17	3188.9	3177.5	3168.5	8.50	8.18	7.50	-22.18	-34.28	-64.41	2.14		
6.25	21.92	3195.0	3184.1	3175.2	8.50	8.16	7.51	-22.06	-34.73	-64.49	1.70		
6.50	18.44	3200.2	3189.6	3180.9	8.51	8.16	7.49	-22.11	-34.83	-64.67	1.29		
6.75	15.65	3204.6	3194.2	3185.6	8.50	8.16	7.48	-22.23	-34.75	-64.86	0.94		
7.00	15.65	3208.3	3198.1	3189.7	8.50	8.16	7.48	-22.36	-34.69	-65.43	0.66		

