

Voltage Controlled Oscillator

ROS-2940C+

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			
0.0	15.89	2919.3	2915.8	2913.3	4.25	3.79	3.31	-17.4	-32.0	-37.1	0.55	1	-89
0.3	14.91	2923.1	2919.8	2917.4	4.25	3.78	3.31	-17.4	-31.4	-36.8	0.58	10	-116
0.5	14.41	2926.8	2923.5	2921.2	4.25	3.77	3.31	-17.4	-30.9	-38.0	0.60	100	-137
0.8	14.16	2930.3	2927.1	2924.8	4.27	3.77	3.30	-17.5	-30.8	-38.1	0.62	1000	-156
1.0	14.07	2933.8	2930.7	2928.4	4.28	3.78	3.30	-17.5	-30.7	-37.2	0.63		
1.3	14.10	2937.3	2934.2	2931.9	4.29	3.79	3.31	-17.4	-30.4	-36.2	0.63		
1.5	14.23	2940.8	2937.7	2935.4	4.30	3.80	3.32	-17.4	-30.0	-35.7	0.64		
1.8	14.45	2944.3	2941.3	2938.9	4.30	3.81	3.33	-17.4	-29.6	-36.5	0.64		
2.0	14.75	2947.9	2944.9	2942.6	4.29	3.81	3.35	-17.4	-29.3	-37.7	0.65		
2.3	15.09	2951.6	2948.6	2946.2	4.27	3.80	3.36	-17.5	-29.3	-37.3	0.65		
2.5	15.45	2955.3	2952.4	2950.0	4.25	3.79	3.36	-17.6	-29.3	-36.7	0.64		
2.8	15.85	2959.2	2956.2	2953.8	4.22	3.78	3.36	-17.8	-29.2	-36.6	0.63		
3.0	16.28	2963.2	2960.2	2957.8	4.19	3.75	3.35	-18.1	-28.7	-36.0	0.63		
3.3	16.70	2967.2	2964.3	2961.8	4.15	3.73	3.34	-18.4	-28.1	-35.4	0.61		
3.5	17.10	2971.4	2968.4	2965.9	4.09	3.70	3.33	-18.6	-27.5	-36.0	0.60		
3.8	17.46	2975.7	2972.7	2970.2	4.05	3.67	3.32	-18.8	-27.1	-37.8	0.57		
4.0	17.75	2980.1	2977.1	2974.5	3.97	3.63	3.30	-18.9	-27.6	-36.9	0.54		
4.3	17.95	2984.5	2981.5	2978.9	3.89	3.57	3.27	-18.8	-27.4	-36.2	0.50		
4.5	18.02	2989.1	2986.0	2983.4	3.80	3.51	3.23	-18.8	-27.4	-35.3	0.46		
4.8	17.90	2993.6	2990.5	2987.8	3.71	3.45	3.19	-18.7	-27.0	-36.1	0.39		
5.0	17.53	2998.1	2995.0	2992.3	3.62	3.39	3.15	-18.8	-27.1	-35.5	0.31		
5.3	16.94	3002.5	2999.4	2996.7	3.51	3.33	3.10	-18.9	-26.2	-35.2	0.23		
5.5	16.16	3006.8	3003.6	3000.9	3.40	3.25	3.06	-19.0	-25.5	-36.0	0.14		
5.8	15.20	3010.8	3007.6	3004.9	3.30	3.17	3.00	-19.2	-24.9	-36.3	0.05		
6.0	14.12	3014.6	3011.4	3008.7	3.21	3.10	2.93	-19.4	-24.2	-37.0	0.02		
6.3	12.95	3018.2	3015.0	3012.2	3.14	3.04	2.89	-19.7	-24.3	-36.4	0.06		
6.5	11.73	3021.4	3018.2	3015.5	3.08	2.99	2.84	-19.9	-24.1	-36.5	0.09		
6.8	10.52	3024.3	3021.1	3018.4	3.03	2.94	2.81	-20.1	-24.6	-37.1	0.08		
7.0	10.52	3027.0	3023.8	3021.1	2.99	2.91	2.78	-20.3	-24.3	-37.8	0.06		