

Voltage Controlled Oscillator

ROS-3075-119+

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	34.72	2852.7	2840.3	2830.0	3.16	3.16	3.04	-20.9	-36.2	-40.0	2.12	1	-78.6
0.5	29.47	2869.4	2857.7	2847.9	3.13	3.12	3.04	-20.8	-37.3	-41.7	2.25	10	-101.8
1.0	26.66	2883.6	2872.4	2863.0	3.17	3.08	2.98	-20.1	-36.9	-40.3	2.25	100	-123.7
1.5	25.35	2896.7	2885.8	2876.5	3.21	3.13	2.96	-20.2	-38.2	-41.4	2.25	1000	-143.4
2.0	24.77	2909.3	2898.4	2889.2	3.27	3.16	3.00	-19.6	-38.2	-41.2	2.28		
2.5	24.40	2921.6	2910.8	2901.6	3.29	3.23	3.03	-19.8	-37.8	-42.4	2.29		
3.0	24.50	2933.8	2923.0	2913.8	3.28	3.24	3.09	-19.7	-38.3	-41.1	2.29		
3.5	24.93	2946.3	2935.3	2926.0	3.27	3.24	3.10	-19.2	-38.3	-41.6	2.33		
4.0	25.16	2958.9	2947.7	2938.3	3.27	3.22	3.08	-19.4	-39.0	-41.8	2.34		
4.5	25.30	2971.5	2960.3	2950.8	3.29	3.20	3.06	-19.0	-39.8	-40.6	2.37		
5.0	25.52	2984.2	2973.0	2963.4	3.29	3.21	3.04	-19.0	-40.2	-40.6	2.36		
5.5	25.75	2996.9	2985.7	2976.1	3.31	3.20	3.04	-18.8	-39.3	-40.6	2.37		
6.0	26.49	3010.0	2998.6	2989.0	3.30	3.22	3.02	-18.4	-39.4	-41.1	2.38		
6.5	26.88	3023.2	3011.8	3002.0	3.32	3.21	3.05	-18.7	-38.5	-39.0	2.43		
7.0	27.45	3036.8	3025.3	3015.5	3.36	3.24	3.04	-18.6	-38.7	-39.0	2.42		
7.5	27.97	3050.5	3039.0	3029.1	3.37	3.26	3.07	-18.1	-38.4	-39.9	2.43		
8.0	28.24	3064.6	3053.0	3043.0	3.41	3.28	3.08	-17.8	-37.6	-38.8	2.45		
8.5	28.21	3078.7	3067.1	3057.0	3.38	3.31	3.11	-17.7	-38.5	-37.6	2.44		
9.0	28.15	3093.1	3081.2	3071.1	3.36	3.29	3.12	-17.9	-38.0	-35.4	2.48		
9.5	27.15	3107.3	3095.3	3084.9	3.35	3.24	3.08	-17.7	-39.5	-36.5	2.46		
10.0	25.75	3121.0	3108.9	3098.5	3.35	3.21	3.04	-17.5	-39.1	-35.3	2.46		
10.5	23.82	3133.8	3121.7	3111.3	3.37	3.21	3.01	-17.3	-39.4	-35.8	2.48		
11.0	21.84	3145.7	3133.6	3123.3	3.36	3.22	3.02	-17.1	-39.8	-34.6	2.47		
11.5	19.86	3156.5	3144.6	3134.2	3.30	3.22	3.03	-17.5	-40.5	-36.5	2.49		
12.0	17.96	3166.4	3154.5	3144.2	3.25	3.19	3.02	-17.5	-40.3	-36.8	2.50		