

Voltage Controlled Oscillator

ROS-3000-819+

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	203.38	1822.8	1798.7	1771.3	6.38	5.89	5.10	-16.0	-32.8	-33.3	0.87	1	-71
0.5	160.72	1919.8	1900.4	1879.7	6.34	5.92	5.17	-15.2	-32.0	-32.2	0.00	10	-97
1.0	136.93	1997.8	1980.8	1962.5	6.24	5.88	5.19	-16.9	-30.4	-32.1	0.36	100	-118
1.5	124.80	2065.2	2049.2	2032.9	6.22	5.89	5.32	-19.1	-30.8	-31.7	0.57	1000	-138
2.0	113.13	2126.3	2111.6	2096.1	6.25	5.90	5.41	-22.3	-28.0	-32.1	0.74		
2.5	106.52	2183.0	2168.2	2153.1	6.18	5.85	5.48	-23.2	-24.6	-31.9	0.86		
3.0	101.03	2235.0	2221.5	2207.5	6.30	6.01	5.58	-21.7	-25.0	-31.1	0.91		
3.5	96.19	2285.7	2272.0	2257.9	6.28	5.99	5.63	-21.1	-25.3	-32.2	0.98		
4.0	93.78	2332.7	2320.1	2306.9	6.29	6.03	5.64	-19.7	-25.5	-33.2	1.05		
4.5	91.69	2379.9	2367.0	2353.4	6.24	5.94	5.58	-19.0	-25.7	-33.8	1.09		
5.0	89.02	2425.5	2412.8	2399.4	6.21	5.93	5.57	-19.7	-23.7	-35.1	1.17		
5.5	89.67	2470.3	2457.3	2444.2	6.16	5.89	5.60	-21.1	-22.7	-35.6	1.19		
6.0	85.76	2515.0	2502.1	2488.6	6.17	5.83	5.45	-21.0	-23.3	-34.4	1.30		
6.5	88.00	2557.2	2545.0	2532.6	6.16	5.89	5.52	-21.6	-23.9	-34.2	1.32		
7.0	84.42	2601.2	2589.0	2575.5	6.11	5.73	5.35	-22.3	-24.3	-34.6	1.40		
7.5	86.32	2642.7	2631.2	2619.1	6.06	5.77	5.41	-21.6	-23.7	-33.5	1.38		
8.0	86.44	2686.3	2674.4	2661.5	5.84	5.53	5.20	-22.6	-24.2	-32.7	1.51		
8.5	85.84	2728.8	2717.6	2705.8	5.83	5.56	5.20	-22.7	-23.6	-31.8	1.48		
9.0	87.26	2771.4	2760.5	2748.3	5.78	5.48	5.16	-23.5	-23.3	-30.4	1.46		
9.5	85.97	2815.0	2804.2	2791.7	5.66	5.33	5.04	-24.0	-24.3	-30.7	1.50		
10.0	89.84	2857.8	2847.1	2835.8	5.52	5.23	4.92	-25.3	-25.5	-31.0	1.45		
10.5	89.54	2902.5	2892.1	2880.3	5.34	5.02	4.72	-22.9	-24.9	-31.1	1.41		
11.0	92.15	2946.3	2936.8	2926.1	5.26	4.96	4.61	-24.3	-24.7	-31.5	1.28		
11.5	91.56	2992.6	2982.9	2971.0	4.92	4.61	4.33	-25.0	-24.4	-31.7	1.25		
12.0	92.41	3038.1	3028.7	3017.5	4.83	4.52	4.20	-22.3	-24.6	-31.0	1.15		
12.5	93.35	3085.0	3074.9	3063.7	4.54	4.22	3.95	-23.1	-25.1	-31.5	1.02		
13.0	93.19	3130.5	3121.6	3111.1	4.31	4.04	3.74	-23.4	-26.0	-32.2	0.77		
13.5	93.58	3177.8	3168.2	3157.3	3.99	3.75	3.49	-22.2	-26.1	-33.1	0.55		
14.0	93.58	3224.1	3215.0	3203.8	3.82	3.53	3.19	-21.0	-27.2	-34.6	0.25		