

Voltage Controlled Oscillator

ROS-2310+

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	5.23	2281.6	2278.9	2277.2	7.40	7.45	7.47	-22.0	-32.1	-40.0	0.08	1	-88
0.25	5.11	2282.8	2280.2	2278.6	7.40	7.46	7.47	-22.0	-32.2	-40.2	0.09	10	-115
0.50	5.16	2284.1	2281.5	2279.8	7.41	7.47	7.48	-21.9	-32.0	-40.2	0.09	100	-135
0.75	5.31	2285.4	2282.8	2281.1	7.41	7.47	7.49	-21.9	-32.0	-40.3	0.09	1000	-158
1.00	5.55	2286.7	2284.1	2282.4	7.41	7.48	7.49	-21.9	-32.0	-40.2	0.09		
1.25	5.87	2288.2	2285.5	2283.8	7.41	7.48	7.49	-21.8	-32.0	-40.3	0.09		
1.50	6.28	2289.7	2287.0	2285.2	7.41	7.48	7.50	-21.8	-32.0	-40.2	0.09		
1.75	6.78	2291.3	2288.6	2286.8	7.41	7.48	7.50	-21.8	-32.1	-40.7	0.09		
2.00	7.38	2293.0	2290.3	2288.4	7.40	7.48	7.49	-21.8	-32.2	-40.5	0.09		
2.25	8.06	2294.9	2292.1	2290.2	7.40	7.48	7.49	-21.8	-32.2	-40.4	0.08		
2.50	8.81	2297.0	2294.1	2292.2	7.39	7.47	7.49	-21.8	-32.4	-40.7	0.07		
2.75	9.59	2299.3	2296.3	2294.3	7.37	7.47	7.48	-21.9	-32.6	-40.4	0.05		
3.00	10.33	2301.8	2298.7	2296.6	7.34	7.46	7.47	-21.9	-32.8	-40.3	0.00		
3.25	10.97	2304.5	2301.3	2299.2	7.30	7.43	7.46	-22.0	-33.3	-40.2	0.08		
3.50	11.46	2307.3	2304.0	2301.9	7.25	7.39	7.43	-22.1	-33.7	-40.6	0.19		
3.75	11.80	2310.2	2306.9	2304.7	7.21	7.35	7.38	-22.3	-33.7	-41.2	0.35		
4.00	11.96	2313.2	2309.9	2307.6	7.16	7.30	7.33	-22.4	-33.8	-41.3	0.52		
4.25	11.95	2316.3	2312.8	2310.6	7.12	7.25	7.28	-22.7	-34.2	-41.3	0.69		
4.50	11.76	2319.4	2315.8	2313.6	7.07	7.20	7.22	-22.9	-35.0	-40.9	0.85		
4.75	11.38	2322.4	2318.8	2316.5	7.03	7.15	7.17	-23.2	-35.7	-40.6	0.97		
5.00	10.84	2325.3	2321.6	2319.3	6.98	7.10	7.11	-23.4	-36.5	-41.6	1.04		
5.25	10.14	2328.2	2324.3	2322.0	6.92	7.05	7.04	-23.7	-36.7	-42.0	1.05		
5.50	9.36	2330.8	2326.9	2324.5	6.85	6.99	6.98	-23.9	-36.4	-42.3	1.00		
5.75	8.52	2333.3	2329.2	2326.9	6.80	6.92	6.90	-24.1	-36.5	-42.3	0.91		
6.00	7.71	2335.5	2331.3	2329.0	6.74	6.85	6.82	-24.4	-36.5	-42.3	0.79		
6.25	6.95	2337.6	2333.3	2330.9	6.69	6.79	6.74	-24.7	-36.9	-42.2	0.66		
6.50	6.28	2339.4	2335.0	2332.7	6.64	6.73	6.67	-25.0	-37.1	-41.9	0.53		
6.75	5.68	2341.1	2336.6	2334.2	6.60	6.67	6.59	-25.2	-37.1	-42.1	0.41		
7.00	5.68	2342.6	2338.0	2335.7	6.56	6.62	6.52	-25.7	-37.4	-41.9	0.31		



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