

Voltage Controlled Oscillator

ROS-2310-7+

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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F2	F3	F4			
0.0	6.55	2283.4	2278.3	2276.3	7.17	7.30	7.26	-23.1	-30.6	-42.6	0.05	1	-88
0.3	6.22	2284.9	2280.0	2278.0	7.19	7.32	7.28	-23.0	-30.6	-42.9	0.05	10	-114
0.5	6.10	2286.5	2281.5	2279.5	7.20	7.34	7.30	-23.0	-30.6	-42.8	0.06	100	-135
0.8	6.12	2288.0	2283.0	2281.1	7.22	7.36	7.31	-23.0	-30.7	-43.0	0.06	1000	-155
1.0	6.23	2289.5	2284.6	2282.6	7.24	7.37	7.32	-23.0	-30.8	-43.2	0.06		
1.3	6.43	2291.1	2286.1	2284.1	7.25	7.38	7.33	-23.0	-31.0	-43.3	0.06		
1.5	6.69	2292.7	2287.7	2285.7	7.27	7.40	7.34	-23.0	-31.3	-43.3	0.06		
1.8	7.02	2294.4	2289.4	2287.3	7.28	7.41	7.35	-23.0	-31.7	-43.3	0.06		
2.0	7.41	2296.2	2291.2	2289.1	7.29	7.42	7.36	-23.0	-32.1	-43.4	0.06		
2.3	7.85	2298.2	2293.0	2290.9	7.31	7.43	7.37	-23.1	-32.4	-43.2	0.06		
2.5	8.31	2300.2	2295.0	2292.8	7.32	7.45	7.38	-23.2	-32.6	-43.1	0.06		
2.8	8.75	2302.3	2297.1	2294.8	7.32	7.46	7.39	-23.2	-32.4	-42.8	0.04		
3.0	9.11	2304.6	2299.3	2297.0	7.32	7.47	7.41	-23.3	-32.3	-42.7	0.01		
3.3	9.36	2306.9	2301.5	2299.2	7.31	7.47	7.41	-23.4	-32.1	-43.0	0.04		
3.5	9.44	2309.3	2303.9	2301.6	7.31	7.47	7.41	-23.5	-32.0	-43.1	0.12		
3.8	9.36	2311.7	2306.2	2303.9	7.30	7.46	7.41	-23.5	-31.9	-43.5	0.21		
4.0	9.13	2314.1	2308.6	2306.3	7.30	7.45	7.40	-23.6	-31.9	-43.7	0.31		
4.3	8.76	2316.4	2310.9	2308.6	7.29	7.44	7.39	-23.7	-32.0	-44.0	0.40		
4.5	8.28	2318.6	2313.0	2310.8	7.28	7.43	7.38	-23.8	-32.2	-44.0	0.47		
4.8	7.71	2320.7	2315.1	2312.9	7.27	7.42	7.37	-23.9	-32.6	-43.9	0.51		
5.0	7.10	2322.7	2317.0	2314.9	7.25	7.41	7.36	-24.1	-33.0	-43.9	0.53		
5.3	6.45	2324.5	2318.8	2316.7	7.24	7.40	7.34	-24.2	-33.3	-43.8	0.51		
5.5	5.82	2326.2	2320.4	2318.4	7.23	7.39	7.33	-24.2	-33.4	-43.8	0.48		
5.8	5.22	2327.7	2321.9	2319.9	7.22	7.37	7.32	-24.4	-33.5	-43.8	0.42		
6.0	4.67	2329.1	2323.2	2321.2	7.21	7.36	7.30	-24.5	-33.5	-43.8	0.36		
6.3	4.19	2330.3	2324.4	2322.4	7.20	7.35	7.29	-24.5	-33.6	-43.4	0.29		
6.5	3.77	2331.4	2325.4	2323.5	7.19	7.34	7.28	-24.6	-33.7	-43.2	0.23		
6.8	3.40	2332.4	2326.3	2324.5	7.18	7.33	7.26	-24.7	-33.8	-43.3	0.17		
7.0	3.40	2333.3	2327.2	2325.4	7.17	7.32	7.25	-24.6	-33.8	-43.2	0.12		

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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