

Voltage Controlled Oscillator

ROS-310-519+

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	7.39	226.3	225.6	224.9	6.33	6.15	5.89	-18.2	-26.3	-32.2	0.05	1	-90
0.5	7.22	230.0	229.3	228.6	5.95	5.81	5.62	-18.4	-25.2	-31.8	0.65	10	-113
1.0	6.15	233.6	232.9	232.2	5.90	5.77	5.58	-18.9	-25.3	-31.6	0.59	100	-134
1.5	5.67	236.7	235.9	235.3	5.87	5.74	5.54	-19.4	-25.3	-31.8	0.50	1000	-154
2.0	5.44	239.5	238.8	238.1	5.85	5.71	5.52	-20.0	-25.4	-32.3	0.43		
2.5	5.30	242.2	241.5	240.8	5.83	5.69	5.50	-20.5	-25.5	-32.8	0.39		
3.0	5.24	244.9	244.2	243.4	5.81	5.67	5.49	-21.0	-25.5	-33.2	0.35		
3.5	5.24	247.6	246.8	246.0	5.79	5.66	5.48	-21.4	-25.6	-33.4	0.33		
4.0	5.31	250.3	249.4	248.5	5.78	5.65	5.47	-21.7	-25.6	-33.5	0.32		
4.5	5.43	253.1	252.0	251.2	5.78	5.65	5.46	-22.0	-25.6	-33.6	0.31		
4.9	5.57	255.3	254.2	253.3	5.78	5.65	5.45	-22.3	-25.7	-33.6	0.30		
5.5	5.81	258.8	257.6	256.7	5.79	5.65	5.44	-22.7	-25.8	-33.7	0.31		
6.0	6.03	261.7	260.5	259.6	5.81	5.65	5.44	-23.0	-25.9	-33.9	0.33		
6.5	6.25	264.7	263.5	262.6	5.83	5.64	5.43	-23.4	-25.9	-34.2	0.37		
7.0	6.42	267.8	266.6	265.7	5.87	5.64	5.43	-23.8	-26.1	-34.5	0.44		
7.5	6.54	270.9	269.8	268.9	5.91	5.63	5.42	-24.2	-26.4	-34.8	0.52		
8.0	6.60	274.1	273.1	272.1	5.95	5.62	5.42	-24.5	-26.7	-35.1	0.61		
8.5	6.59	277.3	276.4	275.4	5.99	5.62	5.41	-24.7	-26.9	-35.4	0.71		
9.0	6.51	280.5	279.7	278.7	6.03	5.62	5.42	-24.9	-27.0	-35.4	0.81		
9.5	6.38	283.8	282.9	281.9	6.05	5.63	5.41	-25.0	-27.2	-35.4	0.92		
10.0	6.18	287.1	286.1	285.0	6.07	5.64	5.41	-25.1	-27.3	-35.3	1.01		
10.5	5.90	290.3	289.2	288.1	6.10	5.65	5.41	-25.1	-27.4	-35.1	1.09		
11.0	5.62	293.4	292.2	291.0	6.13	5.67	5.40	-25.1	-27.5	-34.9	1.15		
11.5	5.38	296.2	295.0	293.8	6.17	5.69	5.40	-25.1	-27.6	-34.7	1.21		
12.0	5.17	299.0	297.7	296.5	6.20	5.71	5.40	-25.1	-27.7	-34.5	1.27		
12.5	4.98	301.5	300.3	299.1	6.23	5.73	5.40	-25.1	-27.9	-34.4	1.32		
13.0	4.78	304.0	302.7	301.6	6.25	5.74	5.39	-25.2	-28.0	-34.4	1.36		
13.5	4.56	306.4	305.1	303.9	6.28	5.75	5.39	-25.2	-28.1	-34.5	1.36		
14.0	4.32	308.7	307.4	306.2	6.30	5.75	5.38	-25.7	-28.3	-34.4	1.33		
14.5	4.09	310.8	309.6	308.3	6.32	5.76	5.38	-25.7	-28.5	-34.4	1.29		
15.0	3.87	312.9	311.6	310.2	6.33	5.76	5.37	-25.7	-28.7	-34.3	1.24		
15.5	3.66	314.9	313.6	312.1	6.33	5.76	5.37	-25.7	-29.0	-34.1	1.19		
16.0	3.47	316.8	315.4	313.9	6.32	5.75	5.37	-25.7	-29.2	-34.0	1.13		
16.5	3.29	318.7	317.1	315.6	6.32	5.75	5.36	-25.7	-29.4	-34.0	1.09		
17.0	3.13	320.4	318.8	317.2	6.31	5.75	5.36	-25.7	-29.7	-34.0	1.04		

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