

Voltage Controlled Oscillator

ROS-310-419+

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	17.42	146.5	144.1	142.5	5.84	5.88	5.41	-19.3			
0.5	16.13	154.9	152.8	151.6	6.50	7.06	6.87	-22.7	-39.2	-40.3	0.37	10	-103
1.0	14.28	162.8	160.9	159.7	6.71	7.41	7.28	-28.4	-45.4	-40.9	0.23	100	-125
1.5	13.77	170.2	168.0	166.8	6.85	7.63	7.53	-34.8	-47.5	-40.7	0.21	1000	-145
2.0	14.08	177.0	174.9	173.7	6.95	7.76	7.66	-36.6	-46.3	-39.8	0.15		
2.5	13.78	183.9	182.0	180.6	7.00	7.85	7.78	-32.9	-44.4	-39.8	0.19		
3.0	14.28	191.1	188.8	187.4	7.06	7.93	7.83	-29.7	-43.8	-39.9	0.02		
3.5	15.08	198.2	196.0	194.8	7.09	7.89	7.84	-28.1	-42.1	-39.0	0.22		
4.0	14.46	205.6	203.5	202.0	7.01	7.91	7.89	-27.1	-41.4	-39.7	0.13		
4.5	15.00	213.3	210.7	209.2	7.05	7.96	7.89	-25.7	-40.2	-39.0	0.04		
5.0	15.73	220.5	218.2	216.9	7.08	7.92	7.83	-24.9	-39.0	-37.5	0.35		
5.5	15.62	228.5	226.1	224.7	7.09	7.89	7.77	-24.3	-39.2	-37.2	0.26		
6.0	16.69	236.3	233.9	232.6	7.08	7.80	7.69	-24.0	-39.3	-36.6	0.37		
6.5	16.57	244.4	242.3	240.9	6.96	7.72	7.67	-24.2	-39.4	-36.4	0.58		
7.0	15.58	253.0	250.5	248.9	6.94	7.72	7.70	-24.4	-39.7	-37.4	0.47		
7.5	16.25	261.1	258.3	256.7	6.90	7.70	7.70	-24.6	-38.0	-38.8	0.35		
8.0	17.50	268.8	266.5	265.2	6.76	7.66	7.71	-24.8	-36.4	-37.0	0.84		
8.5	16.48	277.8	275.2	273.7	6.76	7.71	7.78	-24.2	-36.6	-35.5	0.76		
9.0	15.02	286.3	283.5	281.5	6.83	7.78	7.78	-23.4	-37.6	-36.0	0.51		
9.5	13.88	294.0	291.0	288.8	6.89	7.76	7.57	-23.1	-38.4	-37.4	0.24		
10	16.35	300.6	297.9	296.3	6.56	7.32	7.23	-24.6	-37.5	-37.7	0.63		
10.5	15.83	308.8	306.1	304.6	6.29	7.09	7.14	-25.4	-36.9	-35.5	0.77		
11	14.81	316.7	314.0	312.4	6.21	7.02	7.13	-25.4	-37.4	-34.5	0.59		
11.5	13.75	324.1	321.4	319.8	6.13	6.99	7.13	-25.2	-37.8	-34.1	0.44		
12	12.60	331.0	328.3	326.6	6.11	6.98	7.15	-25.0	-37.8	-34.1	0.30		
12.5	11.58	337.3	334.6	332.8	6.15	7.00	7.13	-24.8	-37.4	-34.5	0.19		
13	11.56	343.2	340.4	338.6	6.16	6.94	7.00	-24.8	-37.2	-34.8	0.26		
13.5	11.87	349.1	346.1	344.5	6.05	6.79	6.85	-25.4	-37.5	-35.0	0.59		
14	11.41	355.1	352.1	350.4	6.00	6.71	6.80	-25.6	-37.9	-34.4	0.67		
14.5	10.69	360.8	357.8	356.1	5.98	6.69	6.80	-25.3	-38.5	-33.7	0.59		
15	9.97	366.2	363.1	361.5	5.96	6.68	6.80	-25.1	-39.2	-32.9	0.48		
15.5	9.31	371.1	368.1	366.4	5.91	6.66	6.79	-24.9	-40.1	-32.3	0.38		
16	8.71	375.8	372.8	371.1	5.85	6.61	6.76	-24.8	-41.1	-31.7	0.30		
16.5	8.15	380.1	377.1	375.5	5.79	6.56	6.71	-24.9	-42.4	-31.3	0.22		
17	7.62	384.1	381.2	379.6	5.71	6.50	6.66	-25.1	-43.9	-30.9	0.15		
17.5	7.11	387.8	385.0	383.4	5.63	6.42	6.59	-25.3	-45.0	-30.6	0.09		
18	6.69	391.3	388.6	387.0	5.55	6.34	6.50	-25.5	-45.0	-30.4	0.04		
18.5	6.44	394.5	391.9	390.4	5.47	6.24	6.38	-25.8	-44.0	-30.2	0.05		
19.5	6.82	401.1	398.4	397.0	5.21	5.91	6.02	-26.6	-41.0	-30.3	0.46		
20	6.82	404.6	401.8	400.4	5.11	5.74	5.85	-26.9	-40.6	-30.7	0.68		

Notes

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