

Voltage Controlled Oscillator

ROS-4000C-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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F2	F3	F4			
0.00	14.8	3975.7	3971.4	3969.5	5.1	5.1	4.8	-15.7	-34.1	-36.2	0.2	1	-85
0.25	13.2	3979.1	3975.1	3973.4	5.2	5.2	4.9	-15.6	-36.0	-36.9	0.3	10	-115
0.50	12.2	3982.3	3978.4	3976.8	5.3	5.2	5.0	-15.6	-39.4	-36.2	0.3	100	-137
0.75	11.6	3985.2	3981.4	3980.0	5.3	5.3	5.0	-15.6	-43.5	-35.6	0.3	1000	-157
1.00	11.1	3988.2	3984.3	3982.9	5.3	5.3	5.1	-15.7	-44.1	-35.2	0.3		
1.25	10.9	3991.1	3987.1	3985.8	5.3	5.4	5.2	-15.9	-39.5	-34.8	0.3		
1.50	10.9	3993.9	3989.8	3988.5	5.4	5.4	5.2	-16.1	-36.2	-34.5	0.3		
1.75	11.0	3996.5	3992.6	3991.1	5.5	5.4	5.2	-16.2	-34.0	-34.4	0.3		
2.00	10.8	3999.1	3995.3	3993.8	5.6	5.5	5.3	-16.1	-32.3	-34.5	0.4		
2.25	10.4	4001.5	3998.0	3996.4	5.7	5.6	5.3	-16.0	-31.3	-34.9	0.3		
2.50	10.0	4004.0	4000.6	3999.0	5.7	5.7	5.4	-15.7	-30.9	-35.2	0.3		
2.75	9.9	4006.4	4003.1	4001.7	5.8	5.8	5.4	-15.6	-31.0	-35.0	0.3		
3.00	9.8	4008.8	4005.6	4004.3	5.9	5.8	5.5	-15.5	-31.3	-34.2	0.3		
3.25	9.8	4011.3	4008.1	4006.9	5.9	5.9	5.6	-15.4	-32.2	-33.6	0.3		
3.50	9.7	4013.7	4010.5	4009.4	5.9	6.0	5.7	-15.4	-33.4	-33.5	0.2		
3.75	9.7	4016.1	4012.9	4011.9	6.0	6.0	5.7	-15.5	-35.0	-33.7	0.2		
4.00	9.7	4018.5	4015.4	4014.3	6.0	6.0	5.8	-15.5	-35.3	-33.7	0.2		
4.25	9.5	4020.9	4017.8	4016.7	6.1	6.0	5.9	-15.5	-33.9	-34.4	0.2		
4.50	9.2	4023.2	4020.1	4019.1	6.1	6.1	5.9	-15.4	-32.5	-35.1	0.1		
4.75	8.8	4025.4	4022.4	4021.4	6.2	6.1	5.9	-15.4	-31.3	-35.2	0.1		
5.00	8.3	4027.5	4024.6	4023.7	6.2	6.2	5.9	-15.4	-30.6	-35.2	0.0		
5.25	7.8	4029.4	4026.7	4025.8	6.3	6.2	6.0	-15.6	-30.2	-34.1	0.1		
5.50	7.4	4031.3	4028.7	4027.9	6.3	6.3	6.0	-15.7	-30.2	-33.4	0.1		
5.75	6.9	4033.1	4030.5	4029.8	6.3	6.3	6.0	-15.8	-30.6	-33.2	0.1		
6.00	6.4	4034.8	4032.2	4031.6	6.3	6.3	6.1	-15.8	-31.1	-33.2	0.1		
6.25	6.0	4036.4	4033.9	4033.2	6.3	6.3	6.1	-15.9	-31.8	-33.4	0.1		
6.50	5.6	4037.8	4035.4	4034.8	6.3	6.3	6.1	-15.9	-32.6	-33.6	0.1		
6.75	5.2	4039.2	4036.7	4036.2	6.3	6.3	6.1	-16.0	-33.4	-34.0	0.0		
7.00	5.2	4040.5	4038.0	4037.5	6.3	6.3	6.2	-16.0	-34.0	-34.3	0.0		

Notes

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