

Voltage Controlled Oscillator

ROS-1000C-319R+

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	6.3	987.7	985.6	984.3	1.2	0.6	0.0	-24.8	-33.3	-34.4	0.26	1	-96
0.25	5.4	989.2	987.2	986.0	1.2	0.6	0.1	-24.8	-32.9	-33.8	0.16	10	-126
0.50	5.0	990.5	988.6	987.4	1.2	0.6	0.1	-24.8	-32.6	-33.6	0.11	100	-146
0.75	4.7	991.8	989.8	988.6	1.3	0.7	0.1	-24.8	-32.3	-33.0	0.09	1000	-165
1.00	4.5	992.9	991.0	989.8	1.3	0.7	0.1	-24.8	-32.2	-32.8	0.07		
1.25	4.4	994.0	992.1	990.9	1.3	0.7	0.1	-24.8	-32.1	-32.6	0.06		
1.50	4.3	995.1	993.2	992.0	1.3	0.7	0.2	-24.8	-32.0	-32.4	0.05		
1.75	4.2	996.2	994.2	993.1	1.3	0.7	0.2	-24.7	-31.9	-32.2	0.05		
2.00	4.2	997.3	995.3	994.1	1.3	0.8	0.2	-24.6	-31.8	-32.1	0.04		
2.25	4.2	998.3	996.3	995.2	1.4	0.8	0.2	-24.6	-31.7	-31.8	0.03		
2.50	4.2	999.4	997.4	996.2	1.4	0.8	0.3	-24.5	-31.9	-31.7	0.03		
2.75	4.3	1000.5	998.5	997.3	1.4	0.8	0.3	-24.5	-31.8	-31.4	0.02		
3.00	4.3	1001.6	999.5	998.3	1.4	0.8	0.3	-24.3	-31.8	-31.1	0.02		
3.25	4.4	1002.7	1000.6	999.4	1.4	0.8	0.3	-24.2	-31.9	-30.9	0.01		
3.50	4.4	1003.8	1001.7	1000.5	1.4	0.8	0.3	-24.1	-31.6	-30.8	0.01		
3.75	4.5	1004.9	1002.8	1001.6	1.4	0.9	0.3	-24.1	-31.5	-30.5	0.00		
4.00	4.5	1006.0	1003.9	1002.7	1.5	0.9	0.4	-24.2	-31.1	-30.2	0.00		
4.25	4.5	1007.2	1005.1	1003.8	1.5	0.9	0.4	-24.1	-30.8	-29.8	0.01		
4.50	4.5	1008.3	1006.2	1005.0	1.5	0.9	0.4	-24.1	-30.4	-29.6	0.01		
4.75	4.5	1009.4	1007.3	1006.1	1.5	0.9	0.4	-24.1	-30.1	-29.2	0.02		
5.00	4.5	1010.6	1008.5	1007.2	1.5	1.0	0.5	-24.1	-30.0	-28.8	0.03		
5.25	4.5	1011.7	1009.6	1008.4	1.6	1.0	0.5	-24.1	-29.8	-28.6	0.05		
5.50	4.5	1012.8	1010.7	1009.5	1.6	1.0	0.5	-24.1	-29.8	-28.3	0.06		
5.75	4.4	1013.9	1011.8	1010.6	1.6	1.0	0.5	-24.2	-29.6	-28.1	0.07		
6.00	4.4	1015.1	1012.9	1011.7	1.6	1.1	0.6	-24.2	-29.6	-27.8	0.09		
6.25	4.3	1016.1	1014.0	1012.8	1.6	1.1	0.6	-24.1	-29.6	-27.6	0.10		
6.50	4.3	1017.2	1015.1	1013.9	1.6	1.1	0.6	-24.1	-29.7	-27.5	0.12		
6.75	4.2	1018.3	1016.2	1014.9	1.7	1.1	0.6	-24.1	-29.8	-27.5	0.13		
7.00	4.2	1019.3	1017.2	1016.0	1.7	1.1	0.6	-24.1	-29.9	-27.3	0.14		

Notes

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