

Voltage Controlled Oscillator

ROS-2001C-119+

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	1.0	1996.2	1995.8	1995.6	7.4	6.9	6.7	-16.6	-30.2	-24.3	0.1	1	-100
0.50	0.8	1996.6	1996.3	1996.1	7.4	6.9	6.7	-16.6	-30.3	-24.1	0.1	10	-126
1.00	0.7	1997.0	1996.7	1996.5	7.4	6.9	6.7	-16.8	-30.3	-24.1	0.1	100	-148
1.50	0.7	1997.4	1997.0	1996.9	7.4	6.9	6.7	-16.6	-30.3	-24.2	0.1	1000	-165
2.00	0.7	1997.7	1997.4	1997.2	7.4	6.9	6.7	-16.6	-30.2	-24.2	0.1		
2.50	0.6	1998.0	1997.7	1997.6	7.5	6.9	6.7	-16.6	-30.3	-24.2	0.1		
3.00	0.6	1998.3	1998.0	1997.9	7.5	6.9	6.7	-16.6	-30.2	-24.1	0.1		
3.50	0.6	1998.6	1998.4	1998.2	7.5	6.9	6.7	-16.6	-30.2	-24.1	0.1		
4.00	0.6	1999.0	1998.7	1998.5	7.5	6.9	6.7	-16.6	-30.3	-24.1	0.1		
4.50	0.6	1999.3	1999.0	1998.8	7.5	6.9	6.7	-16.6	-30.2	-24.1	0.1		
5.00	0.7	1999.6	1999.3	1999.2	7.5	6.9	6.7	-16.6	-30.2	-24.0	0.1		
5.50	0.7	1999.9	1999.7	1999.5	7.5	7.0	6.8	-16.7	-30.3	-24.0	0.1		
6.02	0.7	2000.3	2000.0	1999.8	7.5	7.0	6.8	-16.6	-30.2	-24.0	0.1		
6.50	0.7	2000.6	2000.3	2000.2	7.5	7.0	6.8	-16.5	-30.3	-23.9	0.1		
7.00	0.7	2000.9	2000.7	2000.5	7.5	7.0	6.8	-16.5	-30.2	-23.8	0.1		
7.50	0.8	2001.3	2001.1	2000.9	7.5	7.0	6.8	-16.5	-30.2	-23.8	0.1		
8.00	0.8	2001.7	2001.4	2001.3	7.5	7.0	6.8	-16.5	-30.1	-23.8	0.1		
8.50	0.8	2002.1	2001.8	2001.7	7.5	7.0	6.8	-16.5	-30.2	-23.7	0.1		
9.00	0.9	2002.5	2002.3	2002.1	7.5	7.0	6.8	-16.5	-30.2	-23.6	0.1		
9.50	0.9	2002.9	2002.7	2002.5	7.5	7.0	6.8	-16.5	-30.1	-23.5	0.1		
10.00	1.0	2003.4	2003.2	2003.0	7.5	7.0	6.8	-16.5	-30.2	-23.4	0.1		
10.50	1.0	2003.9	2003.6	2003.5	7.5	7.0	6.8	-16.5	-30.2	-23.4	0.1		
11.00	1.1	2004.4	2004.2	2004.0	7.6	7.0	6.8	-16.5	-30.2	-23.3	0.1		
11.50	1.1	2004.9	2004.7	2004.5	7.6	7.0	6.8	-16.5	-30.2	-23.2	0.1		
12.00	1.1	2005.5	2005.2	2005.1	7.6	7.0	6.8	-16.5	-30.2	-23.0	0.1		

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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