



# LVDS AC Specification

## MT9M002

### Data Sheet Addendum

For more information, refer to the MT9M002 data sheet on Micron's Web site: [www.micron.com/imaging](http://www.micron.com/imaging).

## Introduction

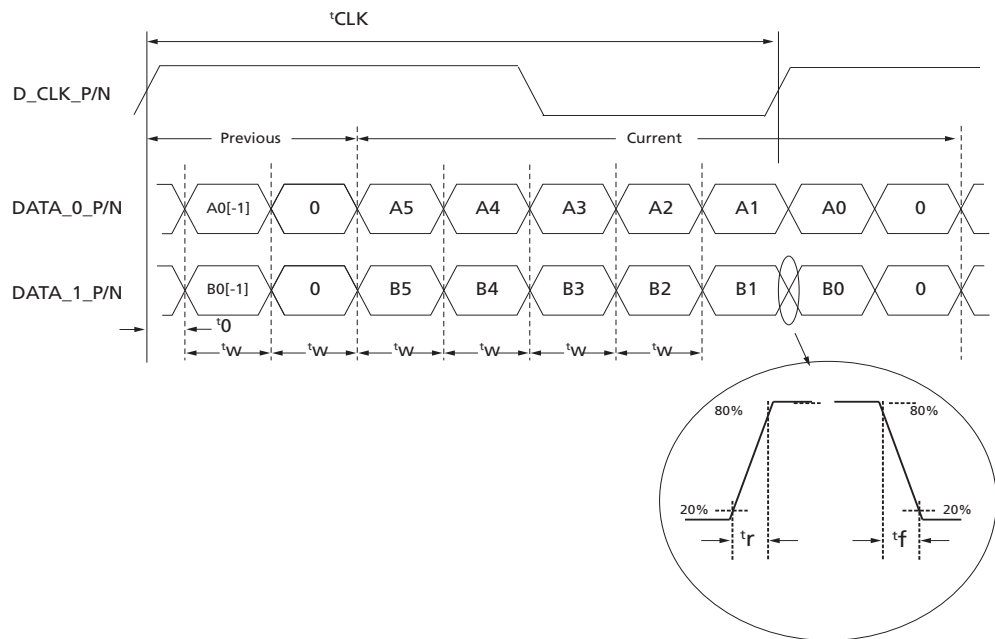
This document supplements Micron's MT9M002 advance data sheet (Revision B ) with LVDS AC electrical characteristics. The standard CMOS digital image sensor data sheet should be referenced for a complete description of this 1/4.5-inch 1.6-Mp image sensor. The specifications contained in this addendum supersede the specifications listed in the referenced CMOS digital image sensor data sheet.

**Table 1: AC Electrical Characteristics**

Symbol	Parameter	Test Conditions <sup>1</sup>	Min	Typ	Max	Unit
$t_r$	LVDS data rise time	20–80%		230		ps
$t_f$	LVDS data fall time	80–20%		230		ps
$t_0$	D_CLK to Bit0 skew	D_CLK frequency is 99 MHz	-30	0	30	ps
$t_w$	Data bit width		1423	1443	1463	ps

Note: 1. The test results measured in LVDS 14-bit mode, VDDLVD<sub>S</sub> = 2.6V, Input clock frequency = 10.000000 MHz 50ppm.

**Figure 1: AC Waveform and Symbol Definition**





## MT9M002: LVDS AC Specification Addendum Changes

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### Addendum Changes

This addendum supplements the AC electrical specifications of MT9M002.



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**Advance: This data sheet contains initial descriptions of products still under development.**



## MT9M002: LVDS AC Specification Revision History

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### Revision History

Rev. A .....	11/29/2007
<ul style="list-style-type: none"><li>• Initial release</li></ul>	