



# 1/4.5-Inch 1.6Mp CMOS Digital Image Sensor Addendum

## MT9M002 – Serial LVDS

Refer to the MT9M002 data sheet at [www.micron.com/imaging](http://www.micron.com/imaging)

### Introduction

This document supplements Micron's MT9M002 advance data sheet (Revision A, dated 10/06) with updates to Table 10, Serial LVDS. The standard CMOS image sensor data sheet should be referenced for a complete description of this 1/4.5-inch 1.6Mp image sensor. The specifications contained in this addendum supersede the specifications listed in the referenced CMOS image sensor data sheet.

**Table 1: Serial LVDS**

Symbol	Parameter	Conditions	Min	Typ	Max	Units
VOH	Output voltage HIGH, VOA or VOB	RLOAD = 100±1%	1.2	1.3	1.6	V
VOL	Output voltage LOW, VOA or VOB	RLOAD = 100±1%	0.9	1.1	1.3	V
VOD	Output differential voltage	RLOAD = 100±1%	100	200	350	mV
Vos	Output offset voltage	RLOAD = 100±1%	1.1	1.2	1.4	V
\DeltaVOD	Change in  VOD  between "0" and "1"	RLOAD = 100±1%			30	mV
\DeltaVos	Change in Vos between "0" and "1"	RLOAD = 100±1%			50	mV
ISA, ISB	Output current	Driver shorted to ground			12.6	mA
ISAB	Output current	Driver shorted to ground			6.1	mA
\DeltaRO	Ro mismatch between A & B	VCM = 1.0V and 1.4V			10	%



# MT9M002: Serial LVDS Addendum Revision History

## Revision History

Rev. A .....	11/06
• Initial release	



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