

# ADCLK914 Data Sheet Revision

# Table 1. Specifications

## ► From Rev B

**Table 1.**

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions/Comments
<b>DC INPUT CHARACTERISTICS</b>						
Input High Voltage	$V_{IH}$	$V_{EE} + 1.65$		$V_{CC}$	V	$T_A = -40^\circ\text{C}$ to $+85^\circ\text{C}$ ( $\pm 1.7$ V between input pins)
Input Low Voltage	$V_{IL}$	$V_{EE}$		$V_{CC} - 0.2$	V	
Input Differential Range	$V_{ID}$	0.2		3.4	V p-p	
		0.2		2.8	V p-p	$T_A = 85^\circ\text{C}$ to $125^\circ\text{C}$ ( $\pm 1.4$ V between input pins)
Input Capacitance	$C_{IN}$		0.4		pF	Open termination
Input Resistance			50		$\Omega$	
Differential Mode			100		$\Omega$	
Common Mode			50		k $\Omega$	
Input Bias Current			20		$\mu\text{A}$	
<b>DC OUTPUT CHARACTERISTICS</b>						
Output High Voltage	$V_{OH}$	$V_{CC} - 0.55$	$V_{CC} - 0.40$	$V_{CC} - 0.25$	V	$-500 \mu\text{A}$ to $+500 \mu\text{A}$
Output Low Voltage	$V_{OL}$	$V_{CC} - 2.75$	$V_{CC} - 2.35$	$V_{CC} - 1.9$	V	
Output Differential Range	$V_{OD}$	1.54	1.95	2.22	V	
Reference Voltage	$V_{REF}$				V	
Output Voltage			$(V_{CC} + 1)/2$		V	
Output Resistance			250		$\Omega$	
<b>AC PERFORMANCE</b>						

## ► To Rev C

**Table 1.**

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions/Comments
<b>DC INPUT CHARACTERISTICS</b>						
Input High Voltage	$V_{IH}$	$V_{EE} + 1.65$		$V_{CC}$	V	$T_A = -40^\circ\text{C}$ to $+85^\circ\text{C}$ ( $\pm 1.7$ V between input pins)
Input Low Voltage	$V_{IL}$	$V_{EE}$		$V_{CC} - 0.2$	V	
Input Differential Range	$V_{ID}$	0.2		3.4	V p-p	
		0.2		2.8	V p-p	$T_A = 85^\circ\text{C}$ to $125^\circ\text{C}$ ( $\pm 1.4$ V between input pins)
Input Capacitance	$C_{IN}$		0.4		pF	Open termination
Input Resistance			50		$\Omega$	
Differential Mode			100		$\Omega$	
Common Mode			50		k $\Omega$	
Input Bias Current			20		$\mu\text{A}$	
<b>DC OUTPUT CHARACTERISTICS</b>						
Output High Voltage	$V_{OH}$	$V_{CC} - 0.55$	$V_{CC} - 0.40$	$V_{CC} - 0.20$	V	$-500 \mu\text{A}$ to $+500 \mu\text{A}$
Output Low Voltage	$V_{OL}$	$V_{CC} - 2.75$	$V_{CC} - 2.35$	$V_{CC} - 1.7$	V	
Output Differential Range	$V_{OD}$	1.45	1.95	2.22	V	
Reference Voltage	$V_{REF}$				V	
Output Voltage			$(V_{CC} + 1)/2$		V	
Output Resistance			250		$\Omega$	