

Product Overview

NC7NZ34: TinyLogic UHS Triple Buffer

For complete documentation, see the [data sheet](#).

The NC7NZ34 is a triple buffer from ON Semiconductor's Ultra High Speed Series of TinyLogic® in the space saving US8 package. The device is fabricated with advanced CMOS technology to achieve ultra high speed with high output drive while maintaining low static power dissipation over a very broad VCC operating range. The device is specified to operate over the 1.65V to 5.5V VCC range. The inputs and outputs are high impedance when VCC is 0V. Inputs tolerate voltages up to 7V independent of VCC operating voltage.

Features

- Space saving US8 surface mount package
- MicroPak™ Pb-Free leadless package
- Ultra High Speed: tPD 2.4 ns Typ into 50 pF at 5V VCC
- High Output Drive: ±24 mA at 3V VCC
- Broad VCC Operating Range: 1.65V to 5.5V
- Power down high impedance inputs/outputs
- Overvoltage tolerant inputs facilitate 5V to 3V translation
- Patented noise/EMI reduction circuitry implemented

Applications

- This product is general usage and suitable for many different applications.

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channels	Output	V _{CC} Min (V)	V _{CC} Max (V)	t _{pd} Max (ns)	I _O Max (mA)	Package Type
NC7NZ34K8X	0.1187	Pb-free Halide free	Active	3	CMOS	1.65	5.5	2.4	32	US8
NC7NZ34L8X	0.214	Pb-free Halide free	Active	3	CMOS	1.65	5.5	2.4	32	UQFN-8

For more information please contact your local sales support at www.onsemi.com.

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