

NC7NZ04

TinyLogic UHS Inverter

Product Overview

For complete documentation, see the data sheet.

The NC7NZ04 is a triple inverter from ON Semiconductor's Ultra-High Speed (UHS) series of TinyLogic®. 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 broad VCC operating range. The device is specified to operate over the 1.65V to 5.5V VCC operating range. The inputs and output are high impedance when VCC is 0V. Inputs tolerate voltages up to 7V, independent of VCC operating voltage.

Features

- Ultra-High Speed: t_{PD} 2.4ns (Typical) into 50pF at 5V VCC
- High Output Drive: ±24mA at 3VCC
- Broad VCC Operating Range: 1.65V to 5.5V
- Power-Down, High-Impedance Inputs / Outputs
- Over-Voltage Tolerance Inputs Facilitate 5V to 3V Translation
- Proprietary Noise / EMI Reduction Circuitry
- Space-Saving MicroPak™ and US8 Surface Mount Packages

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
NC7NZ04K8X-L22236	0.192		NEW	3	CMOS	1.65	5.5	2.4	32	US8
NC7NZ04L8X-L22185	0.1417		NEW	3	CMOS	1.65	5.5	2.4	32	UQFN-8