

Product Overview

74ACT14: Hex Inverter with Schmitt Trigger Input

For complete documentation, see the data sheet.

The 74AC14 and 74ACT14 contain six inverter gates each with a Schmitt trigger input. They are capable of transforming slowly changing input signals into sharply defined, jitter-free output signals. In addition, they have a greater noise margin than conventional inverters. The 74AC14 and 74ACT14 have hysteresis between the positive-going and negative-going input thresholds (typically 1.0V), which is determined internally by transistor ratios and is essentially insensitive to temperature and supply voltage variations.

Features

- I_{CC} reduced by 50%
- Outputs source/sink 24 mA
- 74ACT14 has TTL-compatible inputs

Applications

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

Part Electrical Specifications									
Product	Compliance	Status	Channels	Output	V_{CC} Min (V)	V_{CC} Max (V)	t_{pd} Max (ns)	I_O Max (mA)	Package Type
74ACT14MTC	Pb-free Halide free	Active	6	CMOS	4.5	5.5	8	24	TSSOP-14 WB
74ACT14MTCX	Pb-free Halide free	Active	6	CMOS	4.5	5.5	8	24	TSSOP-14 WB
74ACT14SC	Pb-free Halide free	Active	6	CMOS	4.5	5.5	8	24	SOIC-14
74ACT14SCX	Pb-free Halide free	Active	6	CMOS	4.5	5.5	8	24	SOIC-14

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

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