


Inverter Schmitt Trigger 6-Element CMOS 14-Pin PDIP Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	DIP14
Product Type:	Logic ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The CD40106B device consists of six Schmitt-Trigger inputs. Each circuit functions as an inverter with Schmitt-Trigger input. The trigger switches at different points for positive- and negative-going signals. The difference between the positive-going voltage (V_P) and the negative-going voltages (V_N) is defined as hysteresis voltage (V_H).

The CD40106B device is supplied in ceramic packaging (J) as well as standard packaging (D, N, NS, PW). All CD40106B devices are rated for -55°C to $+125^{\circ}\text{C}$ ambient temperature operation.

Key Features

Schmitt-Trigger Inputs

Hysteresis Voltage (Typical):
0.9 V at $V_{DD} = 5\text{ V}$

2.3 V at $V_{DD} = 10\text{ V}$

3.5 V at $V_{DD} = 15\text{ V}$

Noise Immunity Greater Than 50%

No Limit On Input Rise and Fall Times

Standardized, Symmetrical Output Characteristics

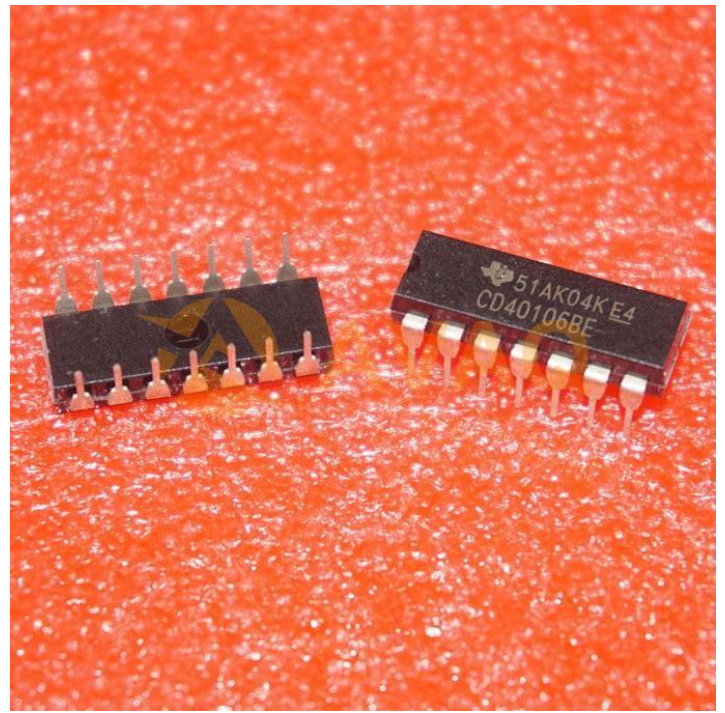
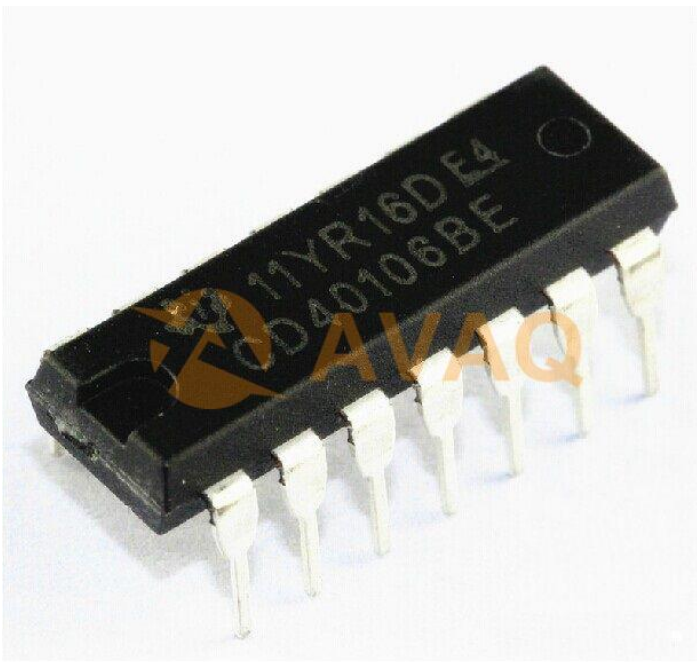
For Quiescent Current at 20 V

Maximum Input Current Of $1\ \mu\text{A}$ at 18 V Over Full Package Temperature Range:
100 nA at 18 V and 25°C

Low V_{DD} and V_{SS} Current During Slow Input Ramp

5-V, 10-V, and 15-V Parametric Ratings

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Recommended For You

CD4070BE

Texas Instruments, Inc

DIP14

CD74HCT138E

Texas Instruments, Inc

DIP16

CD4098BE

Texas Instruments, Inc

DIP

CD74HC08E

Texas Instruments, Inc

DIP

CD74HC4075E

Texas Instruments, Inc

DIP

CD74ACT174E

Texas Instruments, Inc

DIP-14

CD74HC75E

Texas Instruments, Inc

DIP

CD4504BE

Texas Instruments, Inc

DIP16

CD4068BE

Texas Instruments, Inc

DIP

CD4081BE

Texas Instruments, Inc

DIP14

CD4001BE

Texas Instruments, Inc

DIP14

CD4512BE

Texas Instruments, Inc

DIP16

CD4069UBE

Texas Instruments, Inc

DIP14

CD74HCT151E

Texas Instruments, Inc

DIP

CD74HC04M

Texas Instruments, Inc

SOP14