Flip Flop D-Type Pos-Edge 2-Element 14-Pin PDIP Tube

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

Images are for reference only

Inquiry

General Description

The CD4013B device consists of two identical, independent data-type flip-flops. Each flip-flop has independent data, set, reset, and clock inputs and Q and Q outputs. These devices can be used for shift register applications, and, by connecting Q output to the data input, for counter and toggle applications. The logic level present at the D input is transferred to the Q output during the positive-going transition of the clock pulse. Setting or resetting is independent of the clock and is accomplished by a high level on the set or reset line, respectively.

The CD4013B types are supplied in 14-pin dual-in-line plastic packages (E suffix), 14-pin small-outline packages (M, MT, M96, and NSR suffixes), and 14-pin thin shrink small-outline packages (PW and PWR suffixes).

Key Features

Asynchronous Set-Reset Capability

Static Flip-Flop Operation

Medium-Speed Operation: 16 MHz (Typical) Clock Toggle Rate at 10-V Supply

Standardized Symmetrical Output Characteristics

Maximum Input Current Of 1-μA at 18 V Over Full Package Temperature Range:
100 nA at 18 V and 25°C

Noise Margin (Over Full Package Temperature Range):
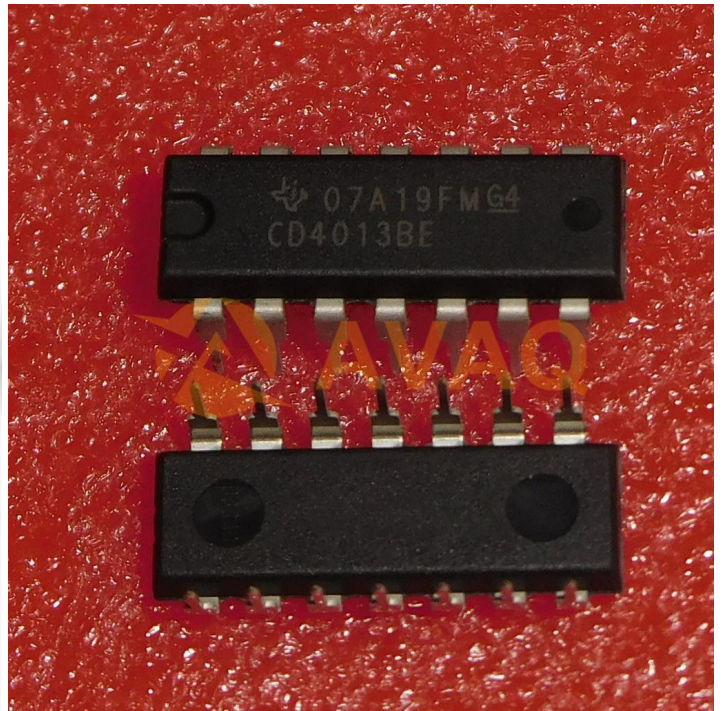1 V at VDD = 5 V

2 V at VDD = 10 V

2.5 V at VDD = 15 V

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Recommended For You

CD4070BE	**CD74HCT138E**	**CD4098BE**
Texas Instruments, Inc	Texas Instruments, Inc	Texas Instruments, Inc
DIP14	DIP16	DIP
CD74HC08E	**CD74HC4075E**	**CD74ACT74E**
Texas Instruments, Inc	Texas Instruments, Inc	Texas Instruments, Inc
DIP	DIP	DIP-14
CD74HC75E	**CD4504BE**	**CD4068BE**
Texas Instruments, Inc	Texas Instruments, Inc	Texas Instruments, Inc
DIP	DIP16	DIP
CD4081BE	**CD4001BE**	**CD4512BE**
Texas Instruments, Inc	Texas Instruments, Inc	Texas Instruments, Inc
DIP14	DIP14	DIP16
CD4069UBE	**CD74HCT151E**	**CD74HC04M**
Texas Instruments, Inc	Texas Instruments, Inc	Texas Instruments, Inc
DIP14	DIP	SOP14