



PRODUCT NAME : CD4094 8-stage Shift
-and-Store Bus Register

PRICE : Rs 35.00

SKU : RM1677



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DESCRIPTION

The CD4093B consists of four Schmitt-trigger circuits. Each circuit functions as a two-input NAND gate with Schmitt-trigger action on both inputs. The gate switches at different points for positive- and negative-going signals. The difference between the positive voltage (V_P) and the negative voltage (V_N) is defined as hysteresis voltage (V_H) (see Fig. 2).

Features of CD4093 Quad 2-Input NAND Schmitt Trigger:

- Schmitt-trigger action on each input with no external components.
- Hysteresis voltage typically 0.9 V at $V_{DD} = 5\text{ V}$ and 2.3 V at $V_{DD} = 10\text{ V}$.
- Noise immunity greater than 50%.
- No limit on input rise and fall times.
- Standardized, symmetrical output characteristics.
- 100% tested for quiescent current at 20 V.
- Maximum input current of 1 μA at 18 V over full package-temperature range, 100 nA at 18 V and 25°C.
- 5-V, 10-V, and 15-V parametric ratings.

Applications of CD4093 Quad 2-Input NAND Schmitt Trigger:

- Wave and pulse shapers.
- High-noise-environment systems.
- Monostable multivibrators.
- Astable multivibrators.
- NAND logic.

Also Searched as : **CD4093 IC, Schmitt trigger IC.**