

CD40106BC Hex Schmitt Trigger

General Description

The CD40106BC Hex Schmitt Trigger is a monolithic complementary MOS (CMOS) integrated circuit constructed with N and P-channel enhancement transistors. The positive and negative-going threshold voltages, V_{T+} and V_{T-} , show low variation with respect to temperature (typ 0.0005V/°C at $V_{DD} = 10V$), and hysteresis, $V_{T+} - V_{T-} \geq 0.2 V_{DD}$ is guaranteed.

All inputs are protected from damage due to static discharge by diode clamps to V_{DD} and V_{SS} .

Features

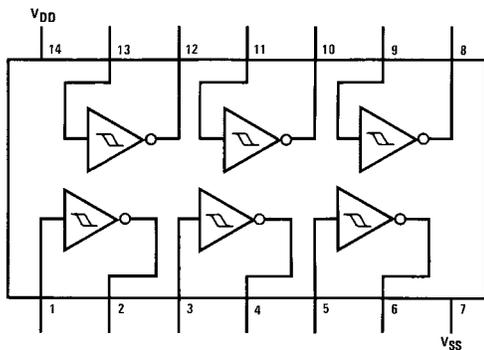
- Wide supply voltage range: 3V to 15V
- High noise immunity: $0.7 V_{DD}$ (typ.)
- Low power TTL compatibility:
Fan out of 2 driving 74L or 1 driving 74LS
- Hysteresis: $0.4 V_{DD}$ (typ.),
 $0.2 V_{DD}$ guaranteed
- Equivalent to MM74C14

Ordering Code:

Order Number	Package Number	Package Description
CD40106BCM	M14A	14-Lead Small Outline Integrated Circuit (SOIC), JEDEC MS-012, 0.150" Narrow
CD40106BCN	N14A	14-Lead Plastic Dual-In-Line Package (PDIP), JEDEC MS-001, 0.300" Wide

Devices also available in Tape and Reel. Specify by appending the suffix letter "X" to the ordering code.

Connection Diagram



Top View

Schematic Diagram

